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1482	Sensitivity of single wall carbon nanotubes to oxidative processing: structural modification, intercalation and functionalisation. <i>Carbon</i> , 2003 , 41, 2247-2256	10.4	305
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1480	Purification of single walled carbon nanotubes by thermal gas phase oxidation. 2003 , 12, 816-820		42
1479	Applications of Multipore Model for the Mechanism Identification during the Adsorption of Dye on Activated Carbon and Bagasse Pith. 2003 , 19, 722-730		38
1478	Infrared Spectroscopy of Carbon Materials: A Quantum Chemical Study of Model Compounds. 2003 , 107, 6350-6359		277
1477	Activated Carbons Chemically Modified by Concentrated H ₂ SO ₄ for the Adsorption of the Pollutants from Wastewater and the Dibenzothiophene from Fuel Oils. 2003 , 19, 731-736		202
1476	Basic Surface Oxides on Carbon Materials: A Global View. 2003 , 19, 3505-3511		117

1475	Sorption of Copper(II) from Aqueous Solution by Peat. 2004 , 158, 77-97		112
1474	On the nature of basic sites on carbon surfaces: an overview. <i>Carbon</i> , 2004 , 42, 1219-1225	10.4	391
1473	Influence of the surface chemistry of modified activated carbon on its electrochemical behaviour in the presence of lead(II) ions. <i>Carbon</i> , 2004 , 42, 3057-3069	10.4	202
1472	Characterization of activated carbon prepared from a single cultivar of Jordanian Olive stones by chemical and physicochemical techniques. 2004 , 71, 151-164		166
1471	Synthesis and characterization of activated carbo-aluminosilicate material from oil shale. 2004 , 75, 107-114		31
1470	Effect of acid-base interaction between silica and fragrant oil in the PCL/PEG microcapsules. 2004 , 38, 35-40		15
1469	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
1468	HRTEM investigation of some commercially available furnace carbon blacks. <i>Carbon</i> , 2004 , 42, 1841-1845	10.4	55
1467	The effect of H ₂ treatment on the activity of activated carbon for the oxidation of organic contaminants in water and the H ₂ O ₂ decomposition. <i>Carbon</i> , 2004 , 42, 2279-2284	10.4	132
1466	Compositions and sorptive properties of crop residue-derived chars. 2004 , 38, 4649-55		791
1465	Preparation of Carbon Nanofiber Supported Platinum and Ruthenium Catalysts: Comparison of Ion Adsorption and Homogeneous Deposition Precipitation. 2004 , 108, 11611-11619		99
1464	Comparison between thermal and ozone regenerations of spent activated carbon exhausted with phenol. 2004 , 38, 2155-65		131
1463	Noble Metal Nanoparticles on Carbon Fibers. 2004 ,		
1462	The Use of Activated Carbons with Basic Properties for the Treatment of 2-Chlorophenol. 2004 , 22, 451-465		7
1461	Surface Structure of Woodceramics Manufactured from Cedar. 2005 , 46, 2685-2689		
1460	Nanoscale investigation of the structural and chemical changes induced by oxidation on carbon black surfaces: a scanning probe microscopy approach. 2005 , 288, 190-9		24
1459	Pore structure modification of pitch-based activated carbon by NaOCl and air oxidation/pyrolysis cycles. 2005 , 80, 183-193		29
1458	Adsorbability enhancement of activated carbon by dielectric barrier discharge plasma treatment. 2005 , 200, 2277-2282		68

1457	Behaviour of activated carbons with different pore size distributions and surface oxygen groups for benzene and toluene adsorption at low concentrations. <i>Carbon</i> , 2005 , 43, 1758-1767	10.4	403
1456	Characterization of carbon nanofiber composites synthesized by shaping process. <i>Carbon</i> , 2005 , 43, 2701-2710-8	10.4	78
1455	Water adsorption on carbon molecular sieve membranes: Experimental data and isotherm model. <i>Carbon</i> , 2005 , 43, 2769-2779	10.4	56
1454	H/D exchange using D2O on carbon materials: A flexible tool for surface Brønsted acidity direct measurement. 2005 , 102-103, 266-272		3
1453	Oxidative dehydrogenation of propane over catalysts based on carbon nanofibers. 2005 , 106, 90-94		70
1452	Uranium sorption on cork biomass. 2005 , 252, 231-236		71
1451	A tool for direct quantitative measurement of surface Brønsted acid sites of solids by H/D exchange using D2O. 2005 , 289, 37-43		7
1450	Dynamic behaviour of activated carbon catalysts during ozone decomposition at room temperature. 2005 , 61, 98-106		87
1449	Surface properties of chemically modified activated carbons for adsorption rate of Cr (VI). <i>Chemical Engineering Journal</i> , 2005 , 115, 133-138	14.7	91
1448	Role of minerals in carbonaceous adsorbents for removal of Pb(II) ions from aqueous solution. 2005 , 46, 88-94		86
1447	Hydrogenolysis of Hydroxymatairesinol Over Carbon-Supported Palladium Catalysts. 2005 , 103, 125-131		31
1446	Adsorption of Pb (II) from aqueous solution onto charcoal and activated carbon. 2005 , 2005, 13-18		6
1445	Generating selective adsorptive sites on activated carbon. 2005 , 156, 595-602		2
1444	Postcombustion Measures for Cleaner Solid Fuels Combustion: Activated Carbons for Toxic Pollutants Removal from Flue Gases. <i>Energy & Fuels</i> , 2005 , 19, 2317-2327	4.1	10
1443	Adsorption of phenolic compounds by activated carbon—a critical review. 2005 , 58, 1049-70		928
1442	Wastewater Treatment by Chemically Activated Carbons from Giant Reed: Effect of the Activation Atmosphere on Properties and Adsorptive Behavior. 2006 , 41, 149-165		15
1441	Generation of hydrophilic, bamboo-shaped multiwalled carbon nanotubes by solid-state pyrolysis and its electrochemical studies. 2006 , 110, 2037-44		69
1440	Surface Properties, Porosity, Chemical and Electrochemical Applications. 2006 , 495-549		10

1439	Characterization of Activated Carbon. 2006 , 143-242		41
1438	Quantification of Surface Oxides on Carbonaceous Materials. 2006 , 18, 169-178		111
1437	Effects of Hierarchical Architecture on Electronic and Mechanical Properties of Nanocast Monolithic Porous Carbons and Carbon Carbon Nanocomposites. 2006 , 18, 5543-5553		165
1436	Diesel engine exhaust emission: oxidative behavior and microstructure of black smoke soot particulate. 2006 , 40, 1231-6		102
1435	Predicting solute adsorption on activated carbon: phenol. 2006 , 22, 3614-21		60
1434	Modification of Functional Group on Porous Carbon Materials and Its Characteristics-Effect on Capacitance-. 2006 , 27, 461-468		3
1433	Effect of ZnO loading to activated carbon on Pb(II) adsorption from aqueous solution. <i>Carbon</i> , 2006 , 44, 195-202	10.4	174
1432	The heterogeneous reaction between soot and NO ₂ at elevated temperature. <i>Carbon</i> , 2006 , 44, 546-559	10.4	101
1431	Enhanced acidity and pH-dependent surface charge characterization of successively oxidized graphite oxides. <i>Carbon</i> , 2006 , 44, 537-545	10.4	413
1430	Preparation and characterisation of carbon-coated ceramic foams for organic vapour adsorption. <i>Carbon</i> , 2006 , 44, 1189-1197	10.4	17
1429	Detection of low concentration oxygen containing functional groups on activated carbon fiber surfaces through fluorescent labeling. <i>Carbon</i> , 2006 , 44, 1203-1209	10.4	37
1428	Surface oxygen complexes as governors of neopentane sorption in multiwalled carbon nanotubes. <i>Carbon</i> , 2006 , 44, 1665-1672	10.4	17
1427	Lead(II) adsorption onto the graphene layer of carbonaceous materials in aqueous solution. <i>Carbon</i> , 2006 , 44, 2681-2688	10.4	216
1426	Chemical and electrochemical characterization of porous carbon materials. <i>Carbon</i> , 2006 , 44, 2642-2651	10.4	190
1425	Preparation and characterization of ACF for the adsorption of BTX and SO ₂ . 2006 , 45, 1-13		52
1424	Modification of the oxygen-containing functional group on activated carbon fiber in electrodes of an electric double-layer capacitor. 2006 , 158, 1510-1516		184
1423	Study of commercial wood charcoals for the preparation of carbon adsorbents. 2006 , 76, 103-108		66
1422	Capture of mercury ions by natural and industrial materials. <i>Journal of Hazardous Materials</i> , 2006 , 132, 220-5	12.8	139

1421	Facile autoreduction of iron oxide/carbon nanotube encapsulates. 2006 , 128, 3136-7	219
1420	Chemical processes on active carbon surface: A new example of nitrogen fixation. 2006 , 76, 946-954	7
1419	Reactivity of Carbon Adsorbents Used to Determine Volatile Organic Compounds in Atmospheric Air. 2006 , 63, 67-71	13
1418	Polymer-Based Carbon Adsorbents Obtained from Copolymer of 4,4'-Bis(maleimidodiphenyl)methane and Divinylbenzene for Use in SPE. 2006 , 64, 1-7	13
1417	Use of biopolymers for the removal of heavy metals produced by the oil industry: A feasibility study. 2006 , 12, 279-286	6
1416	The effects of surface lactone hydrolysis and temperature on the specific and nonspecific interactions between phenobarbital and activated carbon surfaces. 2006 , 95, 1540-8	6
1415	Chapter 4 Surface chemistry of activated carbons and its characterization. 2006 , 159-229	101
1414	Application of carbon sorbents for the concentration and separation of metal ions. 2007 , 23, 631-7	80
1413	Permeable Adsorbing Barriers for groundwater remediation from hexavalent chrome pollution. 2007 , 7, 39	1
1412	Functionalization of Carbon and Silica Gel by Phosphoric Acid. 2007 , 25, 531-542	20
1411	Electrochemical and FTIR studies of the mutual influence of lead(II) or iron(III) and phenol on their adsorption from aqueous acid solution by modified activated carbons. 2007 , 69, 209-19	38
1410	Characterization of Active Sites on Carbon Catalysts. 2007 , 46, 4110-4115	276
1409	Improved capacitance of SBA-15 templated mesoporous carbons after modification with nitric acid oxidation. 2007 , 22, 307-314	87
1408	Scientific aspects of polymer electrolyte fuel cell durability and degradation. 2007 , 107, 3904-51	2627
1407	Role of the Epoxy Group in the Heterogeneous CO ₂ Evolution in Carbon Oxidation Reactions. 2007 , 111, 612-617	39
1406	Bulk and surface structural investigations of diesel engine soot and carbon black. 2007 , 9, 4018-25	150
1405	Reducing reaction of Fe ₃ O ₄ in nanoscopic reactors of a-CNTs. 2007 , 111, 1724-8	30
1404	Effect of Process Conditions on Physicochemical and Electrical Characteristics of Denim-Based Activated Carbon Cloths. 2007 , 46, 1167-1173	10

1403	Azide-modified graphitic surfaces for covalent attachment of alkyne-terminated molecules by "click" chemistry. 2007 , 129, 5370-1		196
1402	Multi-walled carbon nanotubes (MWNTs) as an efficient catalyst for catalytic wet air oxidation of phenol. 2007 , 8, 2059-2063		56
1401	IMPACT OF ALTERNATIVE FUELS ON SOOT PROPERTIES AND DPF REGENERATION. 2007 , 179, 1991-2037		127
1400	Characterization of Activated Carbon and Application of Copper Removal from Drinking Water. 2007 , 97, 1291-1302		4
1399	Preparation and Behavior of Brownish, Clear Nanodiamond Colloids. 2007 , 19, 1201-1206		284
1398	Influence of activated carbon surface acidity on adsorption of heavy metal ions and aromatics from aqueous solution. 2007 , 253, 8554-8559		83
1397	Surface characterization of oxygen-functionalized multi-walled carbon nanotubes by high-resolution X-ray photoelectron spectroscopy and temperature-programmed desorption. 2007 , 254, 247-250		162
1396	Evaluation of the number of carboxyl groups on glassy carbon after modification by 3,4-dihydroxybenzylamine. <i>Carbon</i> , 2007 , 45, 256-262	10.4	18
1395	Characterization of surface oxygen complexes on carbon nanofibers by TPD, XPS and FT-IR. <i>Carbon</i> , 2007 , 45, 785-796	10.4	799
1394	Degree of functionalization of carbon nanofibers with benzenesulfonic groups in an acid medium. <i>Carbon</i> , 2007 , 45, 1669-1678	10.4	42
1393	Oxidized carbon nanofiber/polymer composites prepared by chaotic mixing. <i>Carbon</i> , 2007 , 45, 2079-2091	10.4	50
1392	Preparation and characterization of activated carbon from oil palm wood and its evaluation on Methylene blue adsorption. 2007 , 75, 263-272		143
1391	Effect of oxidation and dimensions of multi-walled carbon nanotubes on solid phase extraction and enrichment of some pesticides from environmental waters prior to their simultaneous determination by high performance liquid chromatography. 2007 , 1164, 25-32		75
1390	Removal of chromium ions from [corrected] aqueous solutions by adsorption on activated carbon and char. <i>Journal of Hazardous Materials</i> , 2007 , 145, 381-90	12.8	129
1389	Adsorption of benzene and toluene from aqueous solutions onto activated carbon and its acid and heat treated forms: influence of surface chemistry on adsorption. <i>Journal of Hazardous Materials</i> , 2007 , 146, 237-42	12.8	219
1388	Adsorption studies on ground shells of hazelnut and almond. <i>Journal of Hazardous Materials</i> , 2007 , 149, 35-41	12.8	163
1387	Review of modifications of activated carbon for enhancing contaminant uptakes from aqueous solutions. 2007 , 52, 403-415		475
1386	Oxidized activated carbon as support for titanium dioxide in UV-assisted degradation of 3-chlorophenol. 2007 , 54, 117-123		32

1385	Adsorption of heavy metal ions with carbon nanotubes. 2007 , 58, 49-52		505
1384	Grafting of poly(methyl vinyl ketone) onto aluminum surface. 2007 , 314, 160-6		3
1383	Effect of granular activated carbon on degradation of methyl orange when applied in combination with high-voltage pulse discharge. 2007 , 316, 523-30		40
1382	Surface chemistry of polyacrylonitrile- and rayon-based activated carbon fibers after post-heat treatment. 2007 , 101, 199-210		69
1381	Characterization of microstructure and surface properties of heat-treated PAN-and rayon-based activated carbon fibers. 2007 , 14, 227-237		16
1380	Sorption behavior of acidic herbicides on carbon nanotubes. 2007 , 159, 293-298		71
1379	Changes in commercial wood charcoals by thermal treatments. 2007 , 80, 507-514		38
1378	Effect of dimensions of multi-walled carbon nanotubes on its enrichment efficiency of metal ions from environmental waters. 2007 , 604, 119-26		58
1377	Surface characterization and dye adsorptive capacities of char obtained from pyrolysis/gasification of sewage sludge. <i>Chemical Engineering Journal</i> , 2007 , 133, 239-246	14.7	129
1376	A multiple-field (²³ Na NMR study of sodium species in porous carbons. 2007 , 32, 109-17		12
1375	An electrochemical method for determining the number of carboxyl groups on carbon black. 2008 , 616, 64-70		7
1374	Use of an activated carbon from antibiotic waste for the removal of Hg(II) from aqueous solution. 2008 , 88, 165-72		55
1373	Surface modification of carbon nanotubes for enhancing BTEX adsorption from aqueous solutions. 2008 , 254, 7035-7041		166
1372	Effect of Nitric Acid Treatment on Carbon Nanotubes (CNTs)-Cordierite Monoliths Supported Ruthenium Catalysts for Ammonia Synthesis. 2008 , 124, 168-173		16
1371	Influence of Citric Acid on Size Distribution of Ru Particles and the Catalytic Activities of the Ru/AC Catalysts. 2008 , 126, 134-141		13
1370	Water adsorption in activated carbons with different burn-offs and its analysis using a cluster model. 2008 , 25, 825-832		4
1369	Potassium hydroxide modified active carbon for adsorptive refrigerators. 2008 , 14, 283-287		6
1368	Adsorption of mercury from single and multicomponent metal systems on activated carbon developed from cherry stones. 2008 , 14, 601-610		10

1367	Pore structure of activated carbon prepared from hazelnut bagasse by chemical activation. 2008 , 40, 616-619		50
1366	Removal of SO ₂ by Activated Carbon Fibre Impregnated with Transition Metals. 2008 , 85, 188-198		16
1365	Inhibition of nitrobenzene adsorption by water cluster formation at acidic oxygen functional groups on activated carbon. 2008 , 322, 394-8		36
1364	Solid phase extraction of metal ions using carbon nanotubes. 2008 , 89, 29-33		99
1363	Mesoporous carbons with self-assembled surfaces of defined crystal orientation. 2008 , 108, 143-151		17
1362	Effect of activated carbons modification on porosity, surface structure and phenol adsorption. <i>Journal of Hazardous Materials</i> , 2008 , 151, 414-21	12.8	177
1361	Removal of copper ions from aqueous solutions by hazelnut shell. <i>Journal of Hazardous Materials</i> , 2008 , 153, 677-84	12.8	42
1360	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
1359	Effect of pretreatment method of activated carbon on the catalytic reduction of NO by carbon over CuO. 2008 , 79, 262-269		50
1358	The role of surface properties of activated carbon in the catalytic reduction of NO by carbon. 2008 , 255, 2591-2595		29
1357	Study of the adsorption properties of lignocellulosic material activated chemically by gas adsorption and immersion calorimetry. 2008 , 223, 274-282		14
1356	Biosorption of metals (Cu(2+), Zn(2+)) and anions (F(-), H(2)PO(4)(-)) by viable and autoclaved cells of the Gram-negative bacterium <i>Shewanella putrefaciens</i> . 2008 , 65, 126-33		60
1355	Purification of single-walled carbon nanotubes using a fixed bed reactor packed with zirconia beads. <i>Carbon</i> , 2008 , 46, 245-254	10.4	14
1354	Catalytic activity, stability and structure of multi-walled carbon nanotubes in the wet air oxidation of phenol. <i>Carbon</i> , 2008 , 46, 445-452	10.4	117
1353	Correlation between film structures and potential limits for hydrogen and oxygen evolutions at a-C:N film electrochemical electrodes. <i>Carbon</i> , 2008 , 46, 663-670	10.4	19
1352	Synthesis and dye separation performance of ferromagnetic hierarchical porous carbon. <i>Carbon</i> , 2008 , 46, 1593-1599	10.4	75
1351	Synthesis of monolithic 3D ordered macroporous carbon/nano-silicon composites by diiodosilane decomposition. <i>Carbon</i> , 2008 , 46, 1702-1710	10.4	31
1350	Catalytic destruction of methyl tertiary butyl ether (MTBE) using oxidized carbon. 2008 , 137, 460-465		7

1349	Wettability modification of pitch-based spherical activated carbon by air oxidation and its effects on phenol adsorption. 2008 , 254, 2659-2665		19
1348	Effect of surface chemistry on the adsorption of basic dyes on carbon aerogels. 2008 , 312, 118-124		31
1347	Effect of potential cycling on structure and activity of Pt nanoparticles dispersed on different carbon supports. <i>Electrochimica Acta</i> , 2008 , 53, 7157-7165	6.7	61
1346	SO ₂ retention on CaO/activated carbon sorbents. Part II: Effect of the activated carbon support. 2008 , 87, 2544-2550		14
1345	Steam and KOH activation of biochar: Experimental and modeling studies. 2008 , 110, 413-421		209
1344	IR study on surface chemical properties of catalytic grown carbon nanotubes and nanofibers. 2008 , 9, 720-726		37
1343	On the mechanism of air nitrogen fixation on activated carbon surface in water. 2008 , 78, 557-566		5
1342	The impact of various oxidation modes on the variation of structural characteristics of activated carbon. 2008 , 30, 269-275		
1341	Surface Chemistry of Carbon Materials. 2008 , 45-92		17
1340	Carbon as Catalyst. 2008 , 177-217		8
1339	Carbon Materials as Supports for Fuel Cell Electrocatalysts. 2008 , 429-480		7
1338	Catalytic Properties of Nitrogen-Containing Carbons. 2008 , 219-265		4
1337	Surface characterization and functionalization of carbon nanofibers. 2008 , 103, 061301		117
1336	Surface Chemical Characterization of Carbons from Adsorption Studies. 2008 , 301-327		19
1335	Production of hydrogen peroxide by the reaction of hydroxylamine and molecular oxygen over activated carbons. 2008 , 9, 831-836		9
1334	Monodispersed Pd Nanoparticles for Acetylene Selective Hydrogenation: Particle Size and Support Effects. 2008 , 112, 13635-13641		96
1333	Preparation of Hemp-Derived Activated Carbon Monoliths. Adsorption of Water Vapor. 2008 , 47, 1288-1296		78
1332	Experimental and modelling analysis of As(V) ions adsorption on granular activated carbon. 2008 , 42, 2007-16		71

1331	Critical evaluation and comparison of enrichment efficiency of multi-walled carbon nanotubes, C18 silica and activated carbon towards some pesticides from environmental waters. 2008 , 74, 1675-80	96
1330	Catalyst Layer Degradation, Diagnosis and Failure Mitigation. 2008 , 1041-1094	1
1329	Thermal Stability and Reducibility of Oxygen-Containing Functional Groups on Multiwalled Carbon Nanotube Surfaces: A Quantitative High-Resolution XPS and TPD/TPR Study. 2008 , 112, 16869-16878	683
1328	Carbons. 2008 , 357	2
1327	Heck reaction on single-walled carbon nanotubes. Synthesis and photochemical properties of a wall functionalized SWNT-anthracene derivative. 2008 , 18, 1592	22
1326	Capacitance Limits of Activated Carbon Fiber Electrodes in Aqueous Electrolyte. 2008 , 155, F1	40
1325	Adsorption of Inorganic Species from Aqueous Solutions. 2008 , 631-651	3
1324	Surface characteristics and antibacterial activity of a silver-doped carbon monolith. 2008 , 9, 015006	19
1323	Surface Oxides on Carbon Nanotubes (CNTs): Effects on CNT Stability and Sorption Properties in Aquatic Environments. 133-158	1
1322	Surface Chemical Functional Groups Modification of Porous Carbon. 2008 , 1, 27-40	338
1321	. 2008 ,	18
1320	Adsorption of sulfur compounds in fuel oil using activated carbon introduced acidic functional groups. 2009 , 2009, 146-150	2
1319	Further Reading. 2009 , 17, 113-197	
1318	Pigments for Inkjet Applications. 2009 , 101-122	3
1317	Characterization of Activated Carbon and Application of Copper Removal from Drinking Water. 2009 , 28,	
1316	Sorption of Yellow 59 on Posidonia oceanica, a non-conventional biosorbent: Comparison with activated carbons. 2009 , 29, 197-204	36
1315	The Interaction of Bromide Ions with Graphitic Materials. 2009 , 21, 102-106	22
1314	Electrochemical Oxidation of Highly Oriented Pyrolytic Graphite in Sulphuric Acid Solution under Potential Pulse Condition. 2009 , 9, 284-290	24

1313	Natural gas treating by selective adsorption: Material science and chemical engineering interplay. <i>Chemical Engineering Journal</i> , 2009 , 155, 553-566	14.7	320
1312	Simultaneous pentachlorophenol decomposition and granular activated carbon regeneration assisted by dielectric barrier discharge plasma. <i>Journal of Hazardous Materials</i> , 2009 , 172, 472-8	12.8	55
1311	Surface modification of carbon fuels for direct carbon fuel cells. 2009 , 186, 1-9		125
1310	Calorimetric study of the immersion enthalpies of activated carbon cloths in different solvents and aqueous solutions. 2009 , 96, 547-552		10
1309	Ruthenium Ammonium Chloride as a Precursor for the Preparation of High Activity Catalysts for Ammonia Synthesis. 2009 , 30, 185-190		5
1308	HEMP-derived activated carbon fibers by chemical activation with phosphoric acid. 2009 , 88, 19-26		165
1307	Removal of ammonium ions from aqueous solutions with coal-based activated carbons modified by oxidation. 2009 , 88, 387-390		55
1306	Improving hydrogen storage in Ni-doped carbon nanospheres. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 3070-3076	6.7	65
1305	Production of hydrogen from methane decomposition using nanosized carbon black as catalyst in a fluidized-bed reactor. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 9730-9736	6.7	25
1304	Surface study of composite photocatalyst based on plasma modified activated carbon fibers with TiO ₂ . 2009 , 203, 1154-1160		67
1303	Cadmium and lead ions can be removed simultaneously from a binary aqueous solution by the sono-sorption method. 2009 , 16, 495-501		8
1302	Removal of chromium from aqueous solution by using oxidized multiwalled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2009 , 162, 1542-50	12.8	344
1301	Vat dye sorption onto crude dehydrated sewage sludge. <i>Journal of Hazardous Materials</i> , 2009 , 164, 448-518	12.8	22
1300	Partially pyrolyzed olive pomace sorbent of high permeability for preconcentration of metals from environmental waters. <i>Journal of Hazardous Materials</i> , 2009 , 169, 58-64	12.8	22
1299	A descriptive model for metallic ions adsorption from aqueous solutions onto activated carbons. <i>Journal of Hazardous Materials</i> , 2009 , 169, 360-9	12.8	50
1298	Nickel adsorption by sodium polyacrylate-grafted activated carbon. <i>Journal of Hazardous Materials</i> , 2009 , 171, 335-9	12.8	73
1297	Regeneration of acid orange 7-exhausted granular activated carbon with dielectric barrier discharge plasma. <i>Chemical Engineering Journal</i> , 2009 , 146, 168-173	14.7	42
1296	A comparative study of V ₂ O ₅ /AC and V ₂ O ₅ /Al ₂ O ₃ catalysts for the selective catalytic reduction of NO by NH ₃ . <i>Chemical Engineering Journal</i> , 2009 , 149, 173-182	14.7	55

1295	The surface acidity of acid oxidised multi-walled carbon nanotubes and the influence of in-situ generated fulvic acids on their stability in aqueous dispersions. <i>Carbon</i> , 2009 , 47, 73-79	10.4	180
1294	Microporosity of carbon deposits collected in the Tore Supra tokamak probed by nitrogen and carbon dioxide adsorption. <i>Carbon</i> , 2009 , 47, 109-116	10.4	7
1293	Controlled dispersion of carbon nanospheres through surface functionalization. <i>Carbon</i> , 2009 , 47, 622-628	10.4	25
1292	Effect of electrochemical treatments on the surface chemistry of activated carbon. <i>Carbon</i> , 2009 , 47, 1018-1027	10.4	89
1291	Analysis of the structure and chemical properties of some commercial carbon nanostructures. <i>Carbon</i> , 2009 , 47, 1779-1798	10.4	272
1290	1-(2-Formamidoethyl)-3-phenylurea functionalized activated carbon for selective solid-phase extraction and preconcentration of metal ions. 2009 , 649, 252-7		48
1289	Catalytic unzipping of carbon nanotubes to few-layer graphene sheets under microwaves irradiation. 2009 , 371, 22-30		46
1288	Nanodiamond Particles: Properties and Perspectives for Bioapplications. 2009 , 34, 18-74		598
1287	Colloidal properties of aqueous suspensions of acid-treated, multi-walled carbon nanotubes. 2009 , 43, 819-25		182
1286	The effect of preliminary ozonization on the bioregeneration of activated carbon during its long-term service. 2009 , 31, 220-226		11
1285	Investigation of deceleration causes in gold electrowinning from aqueous cyanide solutions on porous carbon electrodes. 2009 , 79, 1811-1820		2
1284	Effect of inorganic compounds in the activated carbon phase and in solution on the adsorption of gold(I) cyanide complex. 2009 , 82, 173-182		3
1283	Effect of growing CNTs onto bamboo charcoals on adsorption of copper ions in aqueous solution. 2009 , 25, 269-74		46
1282	Water interaction with laboratory-simulated fossil fuel combustion particles. 2009 , 113, 10503-11		15
1281	Heterogeneous CO(2) evolution from oxidation of aromatic carbon-based materials. 2009 , 113, 8415-20		28
1280	Tailoring the characteristics of graphite oxides by different oxidation times. 2009 , 42, 065418		168
1279	Grafting of poly(acrylic acid) onto an aluminum surface. 2009 , 25, 9094-100		12
1278	Plasma Fluorination of Chemically Derived Graphene Sheets and Subsequent Modification With Butylamine. 2009 , 21, 3433-3438		135

1277	Surface characterization of acid-oxidized multi-walled carbon nanotubes. 2009 , 91, 1413-1427		3
1276	On the Nature of Oxygen-Containing Surface Groups on Carbon Nanofibers and Their Role for Platinum Deposition—An XPS and Titration Study. 2009 , 113, 9865-9869		91
1275	Ship particulate pollutants: characterization in terms of environmental implication. 2009 , 11, 2077-86		34
1274	The use of heterogeneous chemistry for the characterization of functional groups at the gas/particle interface of soot and TiO ₂ nanoparticles. 2009 , 11, 6205-17		27
1273	Carbonaceous fillers for shape memory actuation of polyurethane composites by resistive heating. <i>Carbon</i> , 2009 , 47, 981-997	10.4	139
1272	Influence of surface oxides on the colloidal stability of multi-walled carbon nanotubes: a structure-property relationship. 2009 , 25, 9767-76		171
1271	Colloidal stability of modified nanodiamond particles. 2009 , 18, 620-626		196
1270	Correlation of film structure and molecular oxygen reduction at nitrogen doped amorphous carbon thin film electrochemical electrodes. 2009 , 18, 1102-1108		10
1269	Adsorption of Some Transition Metal Ions [Cu(II), Fe(III), Cr(III) and Au(III)] onto Lignite-Based Activated Carbons Modified by Oxidation. 2010 , 28, 229-242		8
1268	Dependence of Water Vapour Adsorption on the Polarity of the Graphene Surfaces of Multi-Wall Carbon Nanotubes. 2010 , 28, 903-912		5
1267	Activated Carbons for the Adsorption of Vapours from Cigarette Smoke. 2010 , 28, 3-21		20
1266	Oxidation Tools in the Synthesis of Catalysts and Related Functional Materials. 2010 , 121-142		0
1265	Influence of sodium azide on the removal of fulvic acids by activated carbon. 2010 , 32, 329-335		6
1264	Oxidized Multi-Walled Carbon Nanotubes as SPE Sorbent for Determination of Mefenacet and Its Degradation Products Residues in Water Samples by RRLC-UV-ESI-MS. 2010 , 72, 33-38		11
1263	Detonation Nanodiamond Particles Processing, Modification and Bioapplications. 2010 , 79-116		9
1262	A review on surface modification of activated carbon for carbon dioxide adsorption. 2010 , 89, 143-151		675
1261	Enhancement of CO ₂ adsorption on high surface area activated carbon modified by N ₂ , H ₂ and ammonia. <i>Chemical Engineering Journal</i> , 2010 , 160, 571-577	14.7	145
1260	Intensification of textile effluent chemical oxygen demand reduction by innovative hybrid methods. <i>Chemical Engineering Journal</i> , 2010 , 163, 344-354	14.7	16

1259	Nitrobenzene-adsorption capacity of carbon materials released during the combustion of woody biomass. <i>Journal of Hazardous Materials</i> , 2010 , 174, 776-81	12.8	22
1258	Carbons prepared from coffee grounds by H ₃ PO ₄ activation: characterization and adsorption of methylene blue and Nylosan Red N-2RBL. <i>Journal of Hazardous Materials</i> , 2010 , 175, 779-88	12.8	192
1257	Sorption of Cd(II) onto carbon-based materials – comparative study. 2010 , 169, 7-13		25
1256	Effect of acidic surface functional groups on Cr(VI) removal by activated carbon from aqueous solution. 2010 , 29, 333-338		13
1255	Correlation Between Oxygen Reduction Reaction and Oxidative Dehydrogenation Activities Over Nanostructured Carbon Catalysts. 2010 , 136, 1-8		26
1254	Selective Liquid-phase Hydrodechlorination of Chlorotrifluoroethylene over Palladium-Supported Catalysts: Activity and Deactivation. 2010 , 138, 68-75		13
1253	Enthalpic characterization of activated carbons obtained from <i>Mucuna Mutisiana</i> with different burn-offs. 2010 , 102, 1105-1109		4
1252	Textural characteristics, surface chemistry and oxidation of activated carbon. 2010 , 19, 267-279		109
1251	Surface-functionalized Carbon Black as Catalyst for the Direct Production of Hydrogen Peroxide by the Oxidation of Hydroxylamine. 2010 , 28, 693-698		
1250	Probing functional groups at the gas-aerosol interface using heterogeneous titration reactions: a tool for predicting aerosol health effects?. 2010 , 11, 3823-35		18
1249	Metal-free heterogeneous catalysis for sustainable chemistry. 2010 , 3, 169-80		500
1248	Selective Aerobic Oxidation of Benzylic Alcohols Catalyzed by Carbon-Based Catalysts: A Nonmetallic Oxidation System. 2010 , 122, 446-450		17
1247	Selective aerobic oxidation of benzylic alcohols catalyzed by carbon-based catalysts: a nonmetallic oxidation system. 2010 , 49, 436-40		94
1246	Control of release characteristics in pH-sensitive poly(vinyl alcohol)/poly(acrylic acid) microcapsules containing chemically treated alumina core. 2010 , 115, 1853-1858		10
1245	Adsorption-desorption of water vapour on chars prepared from commercial wood charcoals, in relation to their chemical composition, surface chemistry and pore structure. 2010 , 88, 124-133		23
1244	Atomistic calculation of adsorption in activated carbon with pore-size distribution. 2010 , 342, 445-54		10
1243	Characterization and catalytic performance of porous carbon prepared using in situ-formed aluminophosphate framework as template. 2010 , 342, 467-73		20
1242	Chemical and structural evaluation of activated carbon prepared from jute sticks for Brilliant Green dye removal from aqueous solution. <i>Journal of Hazardous Materials</i> , 2010 , 174, 437-43	12.8	78

1241	Preconcentration of Cu(II), Fe(III) and Pb(II) with 2-((2-aminoethylamino)methyl)phenol-functionalized activated carbon followed by ICP-OES determination. <i>Journal of Hazardous Materials</i> , 2010 , 175, 710-4	12.8	85
1240	Influence of solvent type on dibenzothiophene adsorption onto activated carbon fiber and granular coconut-shell activated carbon. 2010 , 89, 365-371		64
1239	Hydrogen production by methane decomposition: Origin of the catalytic activity of carbon materials. 2010 , 89, 1241-1248		116
1238	Porous structure and sorption properties of nitrogen-containing activated carbon. 2010 , 89, 2623-2627		46
1237	Oxidation of activated carbon by dry and wet methods. 2010 , 91, 1768-1775		146
1236	Selective surface modification of activated carbon for enhancing the catalytic performance in hydrogen peroxide production by hydroxylamine oxidation. 2010 , 328, 53-59		18
1235	Impact of synthesis conditions on surface chemistry and structure of carbide-derived carbons. 2010 , 497, 137-142		40
1234	On the tribochemical action of engine soot. 2010 , 269, 1-12		49
1233	Bioactivation of biomorphous silicon carbide bone implants. 2010 , 6, 4488-94		43
1232	Influence of the morphology and the surface chemistry of carbons on their catalytic performances in the catalytic wet peroxide oxidation of organic contaminants. 2010 , 387, 55-66		32
1231	Factors affecting the adsorption of trichloroethylene onto activated carbons. 2010 , 256, 5237-5242		46
1230	Kinetics, equilibrium and thermodynamics of the sorption of tetrabromobisphenol A on multiwalled carbon nanotubes. 2010 , 256, 7246-7252		105
1229	The role of surface chemistry in catalysis with carbons. 2010 , 150, 2-7		468
1228	Quantification of oxygen surface groups on carbon materials via diffuse reflectance FT-IR spectroscopy and temperature programmed desorption. 2010 , 150, 67-70		45
1227	Preparation of sulfonated ordered mesoporous carbon and its use for the esterification of fatty acids. 2010 , 150, 140-146		151
1226	Effect of surface properties of activated carbon on CO oxidation over supported Wacker-type catalysts. 2010 , 153, 184-188		27
1225	Adsorption of simple aromatics from aqueous solutions on modified activated carbon fibers. 2010 , 158, 515-520		32
1224	Molded micro- and mesoporous carbon/silica composite from rice husk and beet sugar. <i>Chemical Engineering Journal</i> , 2010 , 156, 270-277	14.7	22

1223	A comparison study of peach stone and acrylonitrile-divinylbenzene copolymer based activated carbons as chromium(VI) sorbents. <i>Chemical Engineering Journal</i> , 2010 , 165, 56-63	14.7	54
1222	Carbon nanotubes: Solid-phase extraction. 2010 , 1217, 2618-41		281
1221	Surface chemistry of pyrolyzed starch carbons on adsorption of ammonia and carbon disulfide. 2010 , 356, 16-20		7
1220	Comparative study of heavy metal ions sorption onto activated carbon, carbon nanotubes, and carbon-encapsulated magnetic nanoparticles. 2010 , 362, 102-109		208
1219	Direct confirmation that carbon nanotubes still react covalently after removal of acid-oxidative lattice fragments. <i>Carbon</i> , 2010 , 48, 916-918	10.4	25
1218	Fast and clean functionalization of carbon nanotubes by dielectric barrier discharge plasma in air compared to acid treatment. <i>Carbon</i> , 2010 , 48, 1369-1379	10.4	120
1217	Combined XPS and TPD study of oxygen-functionalized carbon nanofibers grown on sintered metal fibers. <i>Carbon</i> , 2010 , 48, 1835-1843	10.4	151
1216	Functionalization of carbon nanofibers through electron beam irradiation. <i>Carbon</i> , 2010 , 48, 2037-2046	10.4	23
1215	Potentiometric titration as a straightforward method to assess the number of functional groups on shortened carbon nanotubes. <i>Carbon</i> , 2010 , 48, 2447-2454	10.4	46
1214	Sorption and desorption behavior of water and organic solvents from graphite oxide. <i>Carbon</i> , 2010 , 48, 3277-3286	10.4	88
1213	Detecting and quantifying oxygen functional groups on graphite nanofibers by fluorescence labeling of surface species. <i>Carbon</i> , 2010 , 48, 4256-4267	10.4	19
1212	Influences of pH, temperature and activated carbon properties on the interaction ozone/activated carbon for a wastewater treatment process. 2010 , 254, 12-16		36
1211	The Influence of Surface Properties of Activated Carbon on the Adsorption of Nitrate Ion. 2010 , 20, 155-159		2
1210	A review on carbon nanotubes in an environmental protection and green engineering perspective. 2010 , 27, 227-242		119
1209	Wet hydrogen peroxide catalytic oxidation of phenol with FeAC (iron-embedded activated carbon) catalysts. 2010 , 61, 1489-98		5
1208	Study of Cherry Stones as a Precursor in the Preparation of Low Cost Carbonaceous Adsorbent. 2010 , 32, 1004-1015		3
1207	Characterization of local pH changes in brain using fast-scan cyclic voltammetry with carbon microelectrodes. 2010 , 82, 9892-900		96
1206	Carbon Nanotubes Towards Polymer Solar Cell. 2010 , 101-123		3

1205	Synthesis and Characterization of Zwitterionic SBA-15 Nanostructured Materials. 2010 , 22, 6459-6466	81
1204	Unexpected role of activated carbon in promoting transformation of secondary amines to N-nitrosamines. 2010 , 44, 4161-8	57
1203	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. 2010 , 114, 1752-1762	52
1202	Fingerprinting soot (towards source identification): Physical structure and chemical composition. 2010 , 41, 108-117	101
1201	Self-Organized Thin Films of Hydrogen-Bonded Phthalocyanines: Characterization of Structure and Electrical Properties on Nanometer Length Scales. 2010 , 22, 2491-2501	28
1200	Comprehensive study of pore evolution, mesostructural stability, and simultaneous surface functionalization of ordered mesoporous carbon (FDU-15) by wet oxidation as a promising adsorbent. 2010 , 26, 10277-86	181
1199	Effect of the surface chemistry of activated carbon on its electrochemical properties in electric double layer capacitors. 2010 , 25, 248-254	23
1198	Removal of mercury from water by multi-walled carbon nanotubes. 2010 , 61, 591-8	73
1197	Nanomaterials and Supramolecular Structures. 2010 ,	18
1196	Size-dependent reactivity of diamond nanoparticles. 2010 , 4, 4824-30	292
1195	Unzipped Multiwalled Carbon Nanotubes for Mechanical Reinforcement of Polymer Composites. 2010 , 114, 19621-19628	65
1194	Size-effects in the chemical modification of carbon black nanoparticles with 4-nitroaniline. 2010 , 34, 2643	26
1193	Effects of p-substituents on electrochemical CO oxidation by Rh porphyrin-based catalysts. 2010 , 12, 8968-76	40
1192	The impact of carbon materials on the hydrogen storage properties of light metal hydrides. 2011 , 21, 2417-2427	141
1191	N-butyl Mercaptan Adsorption on Activated Carbon in Aqueous Phase. 2011 , 46, 2004-2021	1
1190	Oxidative Treatment and Characterization of Plasma Carbon Blacks. 2011 , 19, 210-224	1
1189	Manganese Dioxide Nano-Crystal as Catalyst to Remove Formaldehyde. 2011 , 298, 147-152	1
1188	Gas-phase formaldehyde adsorption isotherm studies on activated carbon: correlations of adsorption capacity to surface functional group density. 2011 , 45, 6498-503	93

1187	Controlling and Quantifying Oxygen Functionalities on Hydrothermally and Thermally Treated Single-Wall Carbon Nanotubes. 2011 , 115, 8534-8546	50
1186	XPS analysis of combustion aerosols for chemical composition, surface chemistry, and carbon chemical state. 2011 , 83, 1924-30	94
1185	Effect of Local Charge Distribution on Graphite Surface on Nafion Polymer Adsorption as Visualized at the Molecular Level. 2011 , 115, 16019-16026	13
1184	Nanoparticles and Polymer Nanocomposites. 2011 , 87-124	
1183	Organometallic chemistry of extended periodic π -electron systems: hexahapto-chromium complexes of graphene and single-walled carbon nanotubes. 2011 , 2, 1326	90
1182	Removal of 2-chlorophenol from water using rice-straw derived ash. 2011 , 46, 128-36	7
1181	A soluble hybrid material combining carbon nanohorns and C60. <i>Chemical Communications</i> , 2011 , 47, 12771-3	5.8 23
1180	Adsorption of Chloroaromatic Models for Dioxins on Porous Carbons: The Influence of Adsorbate Structure and Surface Functional Groups on Surface Interactions and Adsorption Kinetics. 2011 , 115, 2776-2789	42
1179	TiO ₂ /AC Composites for Synergistic Adsorption-Photocatalysis Processes: Present Challenges and Further Developments for Water Treatment and Reclamation. 2011 , 41, 1173-1230	140
1178	UV-ozone cleaning of supported poly(vinylpyrrolidone)-stabilized palladium nanocubes: effect of stabilizer removal on morphology and catalytic behavior. 2011 , 27, 7909-16	173
1177	Removal of Toxic Ions from Aqueous Solutions Using Lignite-Coal-Based Activated Carbons Modified by Oxidation. 2011 , 31, 242-257	7
1176	Preparation of an efficient sorbent by washing then pyrolysis of olive wood for simultaneous solid phase extraction of chloro-phenols and nitro-phenols from water. 2011 , 85, 1034-42	25
1175	The role of surface oxygen-containing functional groups in liquid-phase adsorptive denitrogenation by activated carbon. 2011 , 26, 470-478	29
1174	Recent Developments in the Physical Adsorption of Toxic Organic Vapours by Activated Carbons. 2011 , 29, 1-28	29
1173	Kinetics and Isotherm Analysis of Basic Dyes Adsorption onto Almond Shell (<i>Prunus dulcis</i>) as a Low Cost Adsorbent. 2011 , 56, 2136-2147	186
1172	Biochar Application to Soil. 2011 , 103-143	352
1171	Covalent incorporation of aminated nanodiamond into an epoxy polymer network. 2011 , 5, 7494-502	221
1170	Potential utilization of <i>Jatropha curcas</i> L. press-cake residue as new precursor for activated carbon preparation: Application in methylene blue removal from aqueous solution. 2011 , 42, 826-836	36

1169	Preparation of Bamboo Activated Carbon using Low-temperature Carbonization and Air Oxidation. 2011 , 22, 337-343		3
1168	Impacto del tratamiento con ozono sobre las propiedades superficiales del carbón activado. 2011 , 19, 174-185		2
1167	Use of Classical Adsorption Theory to Understand the Dynamic Filtration of Volatile Toxicants in Cigarette Smoke by Active Carbons. 2011 , 29, 117-138		29
1166	Revisiting the effects of organic solvents on the thermal reduction of graphite oxide. 2011 , 526, 65-71		9
1165	Adsorption of toluene, ethylbenzene and m-xylene on multi-walled carbon nanotubes with different oxygen contents from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2011 , 192, 1370-9	12.8	108
1164	Mercury adsorption on granular activated carbon in aqueous solutions containing nitrates and chlorides. <i>Journal of Hazardous Materials</i> , 2011 , 192, 1842-50	12.8	77
1163	Hydrothermal synthesis of mesoporous Co ₃ O ₄ nanobelts by means of a compound precursor. 2011 , ,		7
1162	Effect of activated carbon support on CS ₂ removal over coupling catalyts. 2011 , 20, 397-402		12
1161	Supported nitrogen-modified Pd nanoparticles for the selective hydrogenation of 1-hexyne. <i>Journal of Catalysis</i> , 2011 , 279, 66-74	7.3	52
1160	Alternative carbon based acid catalyst for selective esterification of glycerol to acetylglycerols. 2011 , 405, 55-60		77
1159	Carbon support treatment effect on Ru/C catalyst performance for benzene partial hydrogenation. 2011 , 409-410, 174-180		25
1158	Adsorption of methyl violet from aqueous solutions by the biochars derived from crop residues. 2011 , 102, 10293-8		270
1157	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
1156	An efficient route for the preparation of activated carbon supported ruthenium catalysts with high performance for ammonia synthesis. 2011 , 174, 97-105		39
1155	Hydroxylated Detonation Nanodiamond: FTIR, XPS, and NMR Studies. 2011 , 115, 19005-19011		113
1154	Effect of modification of granulated activated carbons with ozone on their properties. 2011 , 84, 597-601		4
1153	The interaction of pyridine with the surface of active carbons. 2011 , 85, 466-471		1
1152	Interaction of O ₂ , O ₃ , and H ₂ O ₂ with an activated carbon. 2011 , 45, 418-421		4

1151	Impact of inorganic water impurities on adsorption of fulvic acids by activated carbon. 2011 , 33, 153-159		1
1150	The impact of activated carbon oxidizing on the adsorption of fulvic acids from aqueous solutions under dynamic conditions. 2011 , 33, 230-235		1
1149	Determination of partial immersion enthalpy in the interaction of water and activated carbon. 2011 , 104, 555-559		3
1148	Barothermal modification of activated carbon with maleic anhydride. 2011 , 47, 199-204		1
1147	Selective solid-phase extraction of trace Au(III), Pd(II) and Pt(IV) using activated carbon modified with 2,6-diaminopyridine. 2011 , 174, 131-136		36
1146	Benzene and toluene adsorption at low concentration on activated carbon fibres. 2011 , 17, 473-481		86
1145	Removal of cephalexin from aqueous solutions by original and Cu(II)/Fe(III) impregnated activated carbons developed from lotus stalks Kinetics and equilibrium studies. <i>Journal of Hazardous Materials</i> , 2011 , 185, 1528-35	12.8	120
1144	Synthesis and characterization of ruthenium supported on carbon nanofibers with different graphitic plane arrangements. <i>Chemical Engineering Journal</i> , 2011 , 168, 947-954	14.7	9
1143	Preparation and characterization of low energy post-pyrolysis oxygenated tire char. <i>Chemical Engineering Journal</i> , 2011 , 170, 194-201	14.7	23
1142	Influence of dispersing additives on the conductivity of carbon black pigment dispersion. 2011 , 8, 553-561		17
1141	Nano-structured porous carbon materials for catalysis and energy storage. 2011 , 28, 731-743		42
1140	Preparation of Pt Ag alloy nanoisland/graphene hybrid composites and its high stability and catalytic activity in methanol electro-oxidation. 2011 , 6, 551		95
1139	Facile Synthesis of Pd Nanoparticle Modified Carbon Black for Electroanalysis: Application to the Detection of Hydrazine. 2011 , 23, 1568-1578		53
1138	The direct oxidation of hydrogen sulphide over activated carbons prepared from lignite coal and biochar. 2011 , 89, 844-853		20
1137	Adsorption-photocatalytic degradation of Acid Red 88 by supported TiO ₂ : Effect of activated carbon support and aqueous anions. <i>Chemical Engineering Journal</i> , 2011 , 171, 1098-1107	14.7	194
1136	Evaluation of cassava peel waste as lowcost biosorbent for Ni-sorption: Equilibrium, kinetics, thermodynamics and mechanism. <i>Chemical Engineering Journal</i> , 2011 , 172, 158-166	14.7	65
1135	Process optimization for Cr(VI) adsorption onto activated carbons by experimental design. <i>Chemical Engineering Journal</i> , 2011 , 172, 207-218	14.7	61
1134	Nonlinear modelisation of heavy metal removal from aqueous solution using <i>Ulva lactuca</i> algae. 2011 , 102, 786-96		57

1133	Bio-separation, speciation and determination of chromium in water using partially pyrolyzed olive pomace sorbent. 2011 , 102, 5749-56		26
1132	Morphological changes and covalent reactivity assessment of single-layer graphene oxides under carboxylic group-targeted chemistry. <i>Carbon</i> , 2011 , 49, 722-725	10.4	33
1131	Characterization of oxygen containing functional groups on carbon materials with oxygen K-edge X-ray absorption near edge structure spectroscopy. <i>Carbon</i> , 2011 , 49, 1745-1751	10.4	40
1130	The effect of boron incorporation on the structure and properties of glassy carbon. <i>Carbon</i> , 2011 , 49, 2671-2678	10.4	28
1129	Influence of graphite surface properties on the first electrochemical lithium intercalation. <i>Carbon</i> , 2011 , 49, 4867-4876	10.4	29
1128	Sewage sludge based catalysts for catalytic wet air oxidation of phenol: Preparation, characterisation and catalytic performance. 2011 , 101, 306-316		75
1127	Degradation kinetics of DEP in water by ozone/activated carbon process: Influence of pH. 2011 , 269, 271-275		27
1126	Use of ozone/activated carbon coupling to remove diethyl phthalate from water: Influence of activated carbon textural and chemical properties. 2011 , 276, 359-365		60
1125	Performance of durian shell waste as high capacity biosorbent for Cr(VI) removal from synthetic wastewater. 2011 , 37, 940-947		42
1124	Oxidative dehydrogenation of ethanol to acetaldehyde and ethyl acetate by graphite nanofibers. <i>Carbon</i> , 2011 , 49, 701-707	10.4	25
1123	Study of oxygen groups at a porous carbon surface by a new fast intermittent thermodesorption technique. <i>Carbon</i> , 2011 , 49, 2062-2073	10.4	7
1122	Preparation, characterization and Methylene Blue adsorption of phosphoric acid activated carbons from globe artichoke leaves. 2011 , 92, 1203-1212		145
1121	Catalytic synthesis of a high aspect ratio carbon nanotubes bridging carbon felt composite with improved electrical conductivity and effective surface area. 2011 , 392, 238-247		12
1120	Role of silica template in the preparation of sulfonated mesoporous carbon catalysts. 2011 , 394, 25-31		59
1119	Comparison of metal and carbon catalysts for hydrogen production by methane decomposition. 2011 , 396, 40-51		57
1118	Surface studies of novel hydrophobic active carbons. 2011 , 257, 2912-2919		35
1117	Quantification of oxygenated species on a diamond-like carbon (DLC) surface. 2011 , 257, 7633-7638		35
1116	Simple approach to carboxyl-rich materials through low-temperature heat treatment of hydrothermal carbon in air. 2011 , 257, 8686-8691		88

1115	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
1114	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
1113	Effects of rice straw ash amendment on Cu solubility and distribution in flooded rice paddy soils. <i>Journal of Hazardous Materials</i> , 2011 , 186, 1801-7	12.8	61
1112	Surface modification of coconut shell based activated carbon for the improvement of hydrophobic VOC removal. <i>Journal of Hazardous Materials</i> , 2011 , 192, 683-90	12.8	234
1111	Surface chemical modifications induced on high surface area graphite and carbon nanofibers using different oxidation and functionalization treatments. 2011 , 355, 179-89		95
1110	Morphological and chemical features of nano and macroscale carbons affecting hydrogen peroxide decomposition in aqueous media. 2011 , 361, 129-36		31
1109	Direct Synthesis of Phenol from Benzene on an Activated Carbon Catalyst Treated with Nitric Acid. 2011 , 24, 358-364		16
1108	Equilibrium and Thermodynamics of Adsorption of Fe/Ac for Aniline from Dilute Solutions. 2011 , 378-379, 688-691		
1107	Tailoring the Surface Chemistry of Activated Carbon by Nitric Acid: Study Using Response Surface Method. 2011 , 84, 1251-1260		22
1106	Characterization of surface oxygen groups on different carbon materials by the Boehm method and temperature programmed desorption. 2011 , 76, 757-768		52
1105	Effect of Modification with Nitric Acid and Hydrogen Peroxide on Chromium (VI) Adsorption by Activated Carbon Fiber. 2012 , 518-523, 2099-2103		0
1104	Adsorption of Tetramethylammonium Hydroxide on Activated Carbon. 2012 , 138, 232-238		16
1103	Tribology of soot suspension in hexadecane as distinguished by the physical structure and chemistry of soot particles. 2012 , 45, 175302		4
1102	Effects of biochars generated from crop residues on chemical properties of acid soils from tropical and subtropical China. 2012 , 50, 570		69
1101	Direct Polymerization of Poly(acrylic acid) on a Silicon-wafer Surface. 2012 , 41, 857-859		
1100	Adsorption and desorption behavior of water and organic vapor of allophanic soil-templated porous carbon materials. 2012 , 120, 603-608		2
1099	Oxidative Desulfurization of Middle-Distillate Fuels Using Activated Carbon and Power Ultrasound. <i>Energy & Fuels</i> , 2012 , 26, 5164-5176	4.1	46
1098	Carbon Supported Pd Nanocrystals as High Efficient Catalyst for Regioselective Hydrogenation of p-Phenylphenol to p-Cyclohexylphenol. 2012 , 142, 1321-1329		2

1097	Adsorption of SO ₂ onto waste cork powder-derived activated carbons. <i>Chemical Engineering Journal</i> , 2012 , 211-212, 60-67	14.7	54
1096	Surface properties of activated carbon from different raw materials. 2012 , 22, 483-486		11
1095	Removal of acid dye from aqueous solutions by electrocoagulation/GAC adsorption coupling: Kinetics and electrical operating costs. 2012 , 43, 767-775		39
1094	Phenol adsorption by charred sawdust of sheesham (Indian rosewood; <i>Dalbergia sissoo</i>) from single, binary and ternary contaminated solutions. 2012 , 43, 926-933		21
1093	Flow-through immobilization of <i>Candida rugosa</i> lipase on hierarchical micro-/macroporous carbon monolith. 2012 , 75, 80-85		5
1092	The Effect of Surface Properties in Activated Carbon on Mercury Adsorption. 2012 , 51, 9136-9144		17
1091	A facile and green preparation of durian shell-derived carbon electrodes for electrochemical double-layer capacitors. 2012 , 22, 624-630		23
1090	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
1089	Removal of Diethyl Phthalate from Aqueous Media by Adsorption on Different Activated Carbons: Kinetic and Isotherm Studies. 2012 , 47, 1139-1148		13
1088	Ethidium bromide-adsorbed graphene templates as a platform for preferential sensing of DNA. 2012 , 13, 3181-8		22
1087	Coconut (<i>Cocos nucifera</i>) Shell Based Activated Carbon for the Removal of Malachite Green Dye from Aqueous Solutions. 2012 , 47, 903-912		69
1086	Characterisation of adsorbents prepared by pyrolysis of sludge and sludge/disposal filter cake mix. 2012 , 46, 2783-94		48
1085	Preparation of multifunctional gas-diffusion electrode and its application to the degrading of chlorinated phenols by electrochemical reducing and oxidizing processes. 2012 , 125, 449-456		26
1084	Oxidation behavior of multiwall carbon nanotubes with different diameters and morphology. 2012 , 258, 6272-6280		99
1083	Uranium (VI) sorption by multiwalled carbon nanotubes from aqueous solution. 2012 , 259, 433-440		108
1082	Release of interfacial thermal stress and accompanying improvement of interfacial adhesion in carbon fiber reinforced epoxy resin composites: Induced by diblock copolymers. 2012 , 43, 990-996		29
1081	Competitive adsorption of lead and zinc from aqueous solution on activated carbon prepared from Van apple pulp: Study in single- and multi-solute systems. <i>Chemical Engineering Journal</i> , 2012 , 200-202, 224-236	14.7	178
1080	Performance evaluation and application of oxygen enriched waste rubber tire adsorbent for the removal of hazardous aniline derivatives from waste water. <i>Chemical Engineering Journal</i> , 2012 , 203, 447-457	14.7	21

1079	Influence of Pulse Discharge on Pore Structure and Surface Properties of Activated Carbon. 2012 , 16, 1886-1890	5
1078	Sulfonic groups anchored on mesoporous carbon Starbons-300 and its use for the esterification of oleic acid. 2012 , 100, 128-138	86
1077	Chemical analysis of surface oxygenated moieties of fluorescent carbon nanoparticles. 2012 , 4, 1010-5	4
1076	Thermal treatment effects on charge storage performance of graphene-based materials for supercapacitors. 2012 , 4, 3239-46	47
1075	Thermal properties of nanoporous carbons prepared by a template method using different polymeric and organic precursors. 2012 , 27, 337-343	4
1074	Potential application of activated carbon from maize tassel for the removal of heavy metals in water. 2012 , 50-52, 104-110	27
1073	Aromatic sulfide, sulfoxide, and sulfone mediated mesoporous carbon monolith for use in supercapacitor. 2012 , 1, 624-630	248
1072	Selective adsorption of nitrate esters with nanostructured carbons. 2012 , 2, 12298	6
1071	Microwave- and nitronium ion-enabled rapid and direct production of highly conductive low-oxygen graphene. 2012 , 134, 5850-6	105
1070	Reactivity and Stability of a New Fe-Based Oxygen Carrier for Chemical-Looping Combustion. 2012 , 616-618, 1680-1683	
1069	Adsorptive features of banana (<i>Musa paradisiaca</i>) stalk-based activated carbon for malachite green dye removal. 2012 , 28, 153-167	55
1068	Water Adsorption by Carbons. Hydrophobicity and Hydrophilicity. 2012 , 147-171	6
1067	The Basicity of Carbons. 2012 , 173-203	9
1066	Water vapor adsorption-desorption properties of bamboo charcoals prepared by air oxidation following low temperature carbonization. 2012 , 2012, 47-53	7
1065	Urea coated with oxidized charcoal reduces ammonia volatilization. 2012 , 36, 1221-1230	12
1064	Graphene oxide reduction by standard industrial reducing agent: thiourea dioxide. 2012 , 22, 11054	104
1063	pH buffering capacity of acid soils from tropical and subtropical regions of China as influenced by incorporation of crop straw biochars. 2012 , 12, 494-502	171
1062	Selective decomposition of isopropanol using as prepared and oxidized graphite nanofibers. <i>Carbon</i> , 2012 , 50, 192-200	10.4 8

1061	A comparison between oxidation of activated carbon by electrochemical and chemical treatments. <i>Carbon</i> , 2012 , 50, 1123-1134	10.4	36
1060	Does carbon nanopowder threaten amphibian development?. <i>Carbon</i> , 2012 , 50, 4607-4618	10.4	19
1059	Comparison of activated carbons from <i>Arundo donax</i> Linn with H ₂ O ₂ activation by conventional and microwave heating methods. <i>Chemical Engineering Journal</i> , 2012 , 192, 308-314	14.7	45
1058	Effect of original activated carbon support and the presence of NO on CO oxidation over supported Wacker-type catalysts. 2012 , 96, 440-445		19
1057	Removal of thiophenic compounds from liquid fuel by different modified activated carbon cloths. 2012 , 93, 45-52		81
1056	Ph-SO ₃ H-modified mesoporous carbon as an efficient catalyst for the esterification of oleic acid. 2012 , 427-428, 137-144		74
1055	Microstructure changes of polyurethane by inclusion of chemically modified carbon nanotubes at low filler contents. 2012 , 72, 865-872		35
1054	Study on Fe(III) and Mn(II) modified activated carbons derived from <i>Zizania latifolia</i> to removal basic fuchsin. 2012 , 286, 268-276		65
1053	Electrical conductivity of carbon black pigments. 2012 , 95, 1-7		29
1052	Influence of the support and the preparation methods on the performance in citral hydrogenation of Pt-based catalysts supported on carbon nanotubes. <i>Journal of Catalysis</i> , 2012 , 290, 37-54	7.3	36
1051	Influence of surface functionalization via chemical oxidation on the properties of carbon nanotubes. 2012 , 370, 32-8		101
1050	Self-doped polyaniline on functionalized carbon cloth as electroactive materials for supercapacitor. <i>Electrochimica Acta</i> , 2012 , 64, 17-22	6.7	101
1049	Removal of hexavalent Cr by coconut coir and derived chars--the effect of surface functionality. 2012 , 104, 165-72		130
1048	Supported Pt-particles on multi-walled carbon nanotubes with controlled surface chemistry. 2012 , 66, 64-67		5
1047	Design and application of an up-scaled dielectric barrier discharge plasma reactor for regeneration of phenol-saturated granular activated carbon. 2012 , 95, 73-79		22
1046	Adsorption of ionic liquids onto activated carbons: Effect of pH and temperature. 2012 , 158, 55-63		48
1045	Chemical treatment of CNTs in acidic KMnO ₄ solution and promoting effects on the corresponding PdPt/CNTs catalyst. 2012 , 356, 114-120		18
1044	Characteristics of diesel engine soot that lead to excessive oil thickening. 2012 , 47, 194-203		37

1043	Start-up of completely autotrophic nitrogen removal over nitrite enhanced by hydrophilic-modified carbon fiber. 2012 , 166, 866-77		15
1042	Rapid and enhanced functionalization of MWCNTs in a dielectric barrier discharge plasma in presence of diluted CO ₂ . 2012 , 106, 829-836		11
1041	Application of Double-Dielectric Barrier Discharge Plasma for Removal of Pentachlorophenol from Wastewater Coupling with Activated Carbon Adsorption and Simultaneous Regeneration. 2012 , 32, 109-121		23
1040	Removal of uranium(VI) from aqueous solutions by carboxyl-rich hydrothermal carbon spheres through low-temperature heat treatment in air. 2013 , 298, 361-368		23
1039	Chemical modification of activated carbon monoliths for CO ₂ adsorption. 2013 , 114, 1039-1047		42
1038	Effect of biochars on adsorption of Cu(II), Pb(II) and Cd(II) by three variable charge soils from southern China. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 8491-501	5.1	79
1037	Role of Phenolic Groups in the Stabilization of Palladium Nanoparticles. 2013 , 52, 9783-9789		25
1036	The effects of the surface oxidation of activated carbon, the solution pH and the temperature on adsorption of ibuprofen. <i>Carbon</i> , 2013 , 54, 432-443	10.4	179
1035	Tribological properties of nanostructured DLC coatings deposited by C ₆₀ ion beam. 2013 , 60, 127-135		42
1034	Investigation of morphology, structure and composition of biomass-oil soot particles. 2013 , 270, 596-603		33
1033	Nitric acid oxidation of ordered mesoporous carbons for use in electrochemical supercapacitors. 2013 , 17, 2223-2233		29
1032	Synergetic effect of carbon nanopore size and surface oxidation on CO ₂ capture from CO ₂ /CH ₄ mixtures. 2013 , 397, 144-53		38
1031	Bridging Heterogeneous Catalysis and Electro-catalysis: Catalytic Reactions Involving Oxygen. 2013 , 56, 1603-1610		1
1030	Efficient removal of uranium(VI) from aqueous systems by heat-treated carbon microspheres. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 8202-9	5.1	18
1029	Design of surface functionalization of waste material originated charcoals by an optimized chemical carbonization for the purpose of heavy metal removal from industrial waste waters. 2013 , 108, 224-232		20
1028	Structural properties of water around uncharged and charged carbon nanotubes. 2013 , 30, 693-699		4
1027	Model diesel denitrogenation by modified activated carbon with iron nanoparticles: Sulfur compounds effect. <i>Chemical Engineering Journal</i> , 2013 , 230, 439-446	14.7	22
1026	Role of microporosity and surface functionality of activated carbon in methylene blue dye removal from water. 2013 , 30, 2228-2234		12

1025	Simple quantification of surface carboxylic acids on chemically oxidized multi-walled carbon nanotubes. 2013 , 266, 219-224		38
1024	Structure, Chemistry and Energy of Carbon Surfaces. 2013 , 31, 113-133		3
1023	Discovery of effective solvents for platelet-type graphite nanofibers. <i>Carbon</i> , 2013 , 53, 222-230	10.4	8
1022	S/O-Functionalities on Modified Carbon Materials Governing Adsorption of Water Vapor. 2013 , 117, 23057-23065		65
1021	Kinetic and thermodynamic parameters of iron adsorption onto olive stones. 2013 , 49, 526-534		62
1020	Acid-Base interaction between carbon black and polyurethane molecules with different amine values: Dispersion stability of carbon black suspension for use in lithium ion battery cathodes. <i>Electrochimica Acta</i> , 2013 , 111, 946-951	6.7	14
1019	Oxidative dehydrogenation on nanocarbon: identification and quantification of active sites by chemical titration. 2013 , 52, 14224-8		190
1018	Carbon in Catalysis. 2013 , 56, 103-185		13
1017	Investigation of adsorption performance on 1,2-dichloroethane by heat and acid modified activated carbon. 2013 , 1, 131-136		9
1016	Biosorption properties of <i>Morus alba</i> L. for Cd (II) ions removal from aqueous solutions. 2013 , 185, 6003-11		29
1015	Preparation and evaluation of activated carbons from lotus stalk with trimethyl phosphate and tributyl phosphate activation for lead removal. <i>Chemical Engineering Journal</i> , 2013 , 228, 425-434	14.7	63
1014	Adsorptive virus removal with super-powdered activated carbon. 2013 , 107, 79-84		30
1013	Biochar: Sustainable and Versatile. 2013 , 193-205		10
1012	Development, characterization and cancer targeting potential of surface engineered carbon nanotubes. 2013 , 21, 745-58		43
1011	Catalytic oxidation of NO into NO ₂ at room temperature by graphitized porous nanofibers. 2013 , 201, 109-114		31
1010	Influence of activated carbon characteristics on toluene and hexane adsorption: Application of surface response methodology. 2013 , 264, 335-343		30
1009	Enthalpic characterisation of activated carbon monoliths obtained from lignocellulosic materials. 2013 , 111, 1067-1072		9
1008	Carbon Nanomaterials in Catalysis: Proton Affinity, Chemical and Electronic Properties, and their Catalytic Consequences. 2013 , 5, 378-401		199

1007	A simple recoverable titration method for quantitative characterization of amine-functionalized carbon nanotubes. 2013 , 555, 164-167		19
1006	Spectroscopic investigations of sequential nitric acid treatments on granulated activated carbon: Effects of surface oxygen groups on ρ density. <i>Carbon</i> , 2013 , 57, 174-183	10.4	33
1005	Selective ring CH bonds activation of toluene over Fe/activated carbon catalyst. 2013 , 377, 143-153		17
1004	Preparation and characterization of activated carbon from wool waste and the comparison of muffle furnace and microwave heating methods. 2013 , 249, 234-240		31
1003	Aliphatic C _H and oxygenated surface functional groups of diesel in-cylinder soot: Characterizations and impact on soot oxidation behavior. 2013 , 34, 3099-3106		82
1002	Native oxides and their effect on electrochemical characteristics of ta-C:N films. 2013 , 228, S486-S489		1
1001	Improved phenol decomposition and simultaneous regeneration of granular activated carbon by the addition of a titanium dioxide catalyst under a dielectric barrier discharge plasma. <i>Carbon</i> , 2013 , 53, 380-390	10.4	45
1000	Enhancing the efficiency of AuCl ₄ ⁻ on removal from aqueous solution using activated carbon and carbon nanomaterials. 2013 , 141, 454-460		11
999	Desorption of arsenic from exhaust activated carbons used for water purification. <i>Journal of Hazardous Materials</i> , 2013 , 260, 451-8	12.8	35
998	Biochar based solid acid catalyst hydrolyze biomass. 2013 , 1, 1174-1181		49
997	Adsorption and reduction of platinum(IV) chloride complex ions on activated carbon. 2013 , 23, 1147-1156		18
996	Contribution enthalpic in the interaction of activated carbon with polar and apolar solvents. 2013 , 6, 347-351		7
995	Adsorption kinetics of phenol from water on Fe/AC. 2013 , 110, 99-106		18
994	Highly ordered three dimensional macroporous carbon spheres and their acid catalytic properties. 2013 , 24, 115-119		9
993	Influence of the structural and surface characteristics of activated carbon on the catalytic decomposition of hydrogen iodide in the sulfur iodine cycle for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 15003-15011	6.7	10
992	Effect of pyrolusite loading on sewage sludge-based activated carbon in Cu(II), Pb(II), and Cd(II) adsorption. 2013 , 32, 1066-1073		26
991	Ackee apple (<i>Blighia sapida</i>) seeds: a novel adsorbent for the removal of Congo Red dye from aqueous solutions. 2013 , 29, 58-71		30
990	A zinc oxide-coated nanoporous carbon adsorbent for lead removal from water: Optimization, equilibrium modeling, and kinetics studies. 2013 , 10, 325-340		29

989	Durability and degradation mechanism of graphene coatings deposited on Cu substrates under dry contact sliding. <i>Carbon</i> , 2013 , 54, 472-481	10.4	112
988	Combined effects of Ag nanoparticles and oxygen plasma treatment on PLGA morphological, chemical, and antibacterial properties. 2013 , 14, 626-36		47
987	Adsorption kinetic and mechanistic studies for pharmaceutical spherical carbon adsorbents: comparison of a brand product and two generics. 2013 , 103, 538-43		6
986	The effect of different order of purification treatments on the purity of multiwalled carbon nanotubes. 2013 , 276, 159-166		59
985	On the Way to Cofactor Regeneration in Nanopores: Tailoring Porous Materials for Glucose-6-phosphate Dehydrogenase Immobilization. 2013 , 5, 931-938		14
984	KOH Activation of Thermally Modified Carbon as a Support of Ru Catalysts for Ammonia Synthesis. 2013 , 5, 1941-1947		26
983	Study of CO ₂ adsorption in functionalized carbon. 2013 , 19, 323-329		8
982	Functionalization of porous carbons for catalytic applications. 2013 , 1, 9351		177
981	Preparation of High-Performance Adsorbent from Coal for Adsorptive Denitrogenation of Liquid Hydrocarbon Streams. <i>Energy & Fuels</i> , 2013 , 27, 1337-1346	4.1	6
980	Molecular interactions between organic compounds and functionally modified multiwalled carbon nanotubes. <i>Chemical Engineering Journal</i> , 2013 , 225, 144-152	14.7	31
979	Vibrational Properties. 2013 , 369-408		
978	Novel Fe loaded activated carbons with tailored properties for As(V) removal: Adsorption study correlated with carbon surface chemistry. <i>Chemical Engineering Journal</i> , 2013 , 215-216, 105-112	14.7	39
977	Oil Palm Biomass as a Precursor of Activated Carbons: A Review. 2013 , 43, 1117-1161		71
976	Enzyme-catalyzed oxidation facilitates the return of fluorescence for single-walled carbon nanotubes. 2013 , 135, 13356-64		15
975	Regeneration of activated carbon saturated with odors by non-thermal plasma. 2013 , 92, 725-30		15
974	Comparative study of sorption kinetics and equilibrium of chromium (VI) on charcoals prepared from different low-cost materials. 2013 , 107, 25-30		15
973	The role of interfacial chemistry and interactions in the dynamics of thermosetting polyurethane/multiwalled carbon nanotube composites at low filler contents. 2013 , 291, 573-583		18
972	Comparison of novel sorbents for preconcentration of metal ions prior to their flame atomic absorption spectrometry determination. 2013 , 19, 1781-1787		35

971	Removal of lead(II) and zinc(II) ions from aqueous solutions by adsorption onto activated carbon synthesized from watermelon shell and walnut shell. 2013 , 19, 675-685	58
970	Evaluation and comparison of enrichment efficiency of physical/chemical activations and functionalized activated carbons derived from fluid petroleum coke for environmental applications. 2013 , 106, 501-510	60
969	Sorption and precipitation of Mn ²⁺ by viable and autoclaved <i>Shewanella putrefaciens</i> : Effect of contact time. 2013 , 100, 232-250	19
968	Physicochemical and microtextural characterization of activated carbons produced from water steam activation of three bamboo species. 2013 , 99, 32-39	38
967	Adsorption and desorption of dimethyl phthalate on carbon nanotubes in aqueous copper(II) solution. 2013 , 417, 47-56	10
966	Vanadium Pentoxide Catalyst over Carbon-Based Nanomaterials for the Oxidative Dehydrogenation of Propane. 2013 , 52, 16128-16141	37
965	Walnut shell-based activated carbon with excellent copper (II) adsorption and lower chromium (VI) removal prepared by acid/base modification. 2013 , 32, 688-696	35
964	Evaluation of modified boehm titration methods for use with biochars. 2013 , 42, 1771-8	71
963	Electro-Oxidation of Glucose in Alkaline Media on Graphene Sheets Decorated with Gold Nanoparticles. 2013 , 04, 162-169	3
962	Electrochemical modification of surface properties of carbon fiber based on the polyacrylonitrile. 2013 , 13,	
961	Preparation of Activated Carbons from Tobacco Stems by Potassium Hydroxide Activation and Phosphine Adsorption. 2013 , 48, 813-819	13
960	Effect of Surface Oxides and Steric Hindrance on the Adsorption of Dimethoxon from Chloroform on Activated Carbons. 2013 , 31, 385-395	
959	Research Methods of Catalytic Oxidation on Methane in Conversion Process. 2013 , 664, 785-788	
958	Synthesis and characterization of carbon-based catalyst derived from seaweed. 2013 ,	0
957	Effect of surface property of activated carbon on adsorption of nitrate ion. 2013 , 61, 1173-7	27
956	Oxidative Dehydrierung an Nanokohlenstoff: Identifizierung und Quantifizierung aktiver Zentren durch chemische Titration. 2013 , 125, 14474-14478	26
955	Aromatic compound adsorption from aqueous solution on activated carbons ¹ ; Effects of adsorbate polarity and surface functional groups ² ; 2013 , 2013, 116-123	1
954	Obtenção e caracterização de carvão ativado de caroção de buriti (<i>Mauritia flexuosa</i> L. f.) para a avaliação do processo de adsorção de cobre (II). 2013 , 43, 73-80	4

953	The Effect of the Surface Property of Activated Carbon on Nitrate Adsorption. 2013 , 23, 91-94	4
952	The Influence of the Functional Composition of Carbon Black on the Interphase Layers in a Rubber Medium. 2013 , 40, 35-39	2
951	Reduction of Cr(VI) Varying with the Surface Properties of Activated Carbon. 2013 , 23, 19-23	4
950	Characterization of Surface Functional Groups in Corn Stover Biochar Derived from Microwave-assisted Pyrolysis. 2014 ,	
949	Wet oxidation of glycerol into fine organic acids: catalyst selection and kinetic evaluation. 2014 , 31, 913-923	15
948	Removal of Ni (II) from Aqueous Solution by Adsorption onto Activated Carbon Prepared from Lapsi (<i>Choerospondias axillaris</i>) Seed Stone. 2014 , 9, 166-174	15
947	Thermal Stability of Oxygen-Containing Functional Groups on Activated Carbon Surfaces in a Thermal Oxidative Environment. 2014 , 47, 21-27	41
946	The effect of carbon black and HALS hybrid systems on the UV stability of high-density polyethylene (HDPE). 2014 , 23, 793-799	17
945	Adsorption of lead by activated carbon developed from rice husk. 2014 , 1-14	6
944	Sorption of Ammonium Ions onto Natural and Modified Egyptian Kaolinites: Kinetic and Equilibrium Studies. 2014 , 2014, 1-12	7
943	Study on Adsorption of Cd ²⁺ by Modified Bamboo Charcoal. 2014 , 955-959, 2559-2563	
942	Adsorption of Volatile Carboxylic Acids on Activated Carbon Synthesized from Watermelon Shells. 2014 , 32, 227-242	13
941	Formation and in vitro biocompatibility of biomimetic hydroxyapatite coatings on chemically treated carbon substrates. 2014 , 102, 193-203	19
940	Batch and Fixed-Bed Study for Basic Blue 9 Separations using Synthetic Activated Carbon. 2014 , 49, 523-532	2
939	Kinetic, Equilibrium and Isotherm Studies of Cadmium Removal from Aqueous Solutions by Oxidized Multi-Walled Carbon Nanotubes and the Functionalized Ones with Thiosemicarbazide and Their Toxicity Investigations: A Comparison. 2014 , 61, 1188-1198	20
938	Properties of novel spherical carbon adsorbents synthesized from phosphorylated polymeric precursors. 2014 , 110, 390-400	2
937	Thiophene Capture by an Oxidation-Modified Activated Carbon Derived from Bergamot. 2014 , 49, 367-375	15
936	Improved surface morphology of ultrananocrystalline diamond film by deaggregation of nanodiamond seeds. 2014 , 211, 1782-1786	1

935	Evolution and Reactivity of Active Oxygen Species on sp ² @sp ³ Core-shell Carbon for the Oxidative Dehydrogenation Reaction. 2014 , 6, 2270-2275	23
934	Covalent incorporation of aminated carbon nanotubes into epoxy resin network. 2014 , 26, 892-899	15
933	Effect of dye auxiliaries on chemical oxygen demand and colour competitive removal from textile effluents using <i>Posidonia oceanica</i> . 2014 , 30, 579-588	2
932	Vertically Aligned Carbon Nanotubes/Carbon Fiber Composites for Electrochemical Applications. 2014 , 802, 192-196	3
931	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
930	Enhanced hardness and electrical properties of copper nanocomposites reinforced by functionalized MWCNTs. 2014 , 48, 3485-3497	18
929	Plutonium sorption to nanocast mesoporous carbon. 2014 , 102,	8
928	Functionalization of SLS parts for application as SERS substrates in chemical analysis. 2014 , 20, 280-284	
927	9. Carbon-Carbon Composites. 2014 ,	
926	Silkworms-feces-based activated carbons as cheap adsorbents for removal of cadmium and methylene blue from aqueous solutions. 2014 , 92, 461-470	23
925	Sorption of the organic cation metoprolol on silica gel from its aqueous solution considering the competition of inorganic cations. 2014 , 54, 273-83	22
924	Effect of Crop-Straw Derived Biochars on Pb(II) Adsorption in Two Variable Charge Soils. 2014 , 13, 507-516	20
923	Activated carbon-enhanced ozonation of oxalate attributed to HO oxidation in bulk solution and surface oxidation: Effects of the type and number of basic sites. <i>Chemical Engineering Journal</i> , 2014 , 245, 71-79	14.7 35
922	Synthesis of palm oil empty fruit bunch magnetic pyrolytic char impregnating with FeCl ₃ by microwave heating technique. 2014 , 61, 265-275	83
921	Effects of humic acid on copper adsorption onto few-layer reduced graphene oxide and few-layer graphene oxide. <i>Carbon</i> , 2014 , 75, 227-235	10.4 71
920	Removal of boron from aqueous solution using magnetic carbon nanotube improved with tartaric acid. 2014 , 12, 3	11
919	Functionalization and Characterization of Carbon Nanohorns (CNHs) for Hydrotreating of Gas Oils. 2014 , 57, 796-805	17
918	Removal of Zn(II) ions from aqueous solutions by ethyl xanthate impregnated activated carbons. 2014 , 144-145, 39-53	11

917	Removal of Cr(VI) from aqueous solutions by Na ₂ SO ₃ /FeSO ₄ combined with peanut straw biochar. 2014 , 101, 71-6		72
916	Enhancement of Cr(VI) removal by modifying activated carbon developed from <i>Zizania caduciflora</i> with tartaric acid during phosphoric acid activation. <i>Chemical Engineering Journal</i> , 2014 , 246, 168-174	14.7	66
915	Pd catalyst supported on activated carbon honeycomb monolith for CO oxidation and the application in air purification of vehicular tunnel. 2014 , 122, 23-29		16
914	Evidence of selective oxidation in surface layers of graphite-like thin sheets by mild oxidation. <i>Carbon</i> , 2014 , 71, 70-75		10.4
913	Correlation between the microstructures of graphite oxides and their catalytic behaviors in air oxidation of benzyl alcohol. 2014 , 421, 71-7		39
912	Sorption of thorium(IV) from aqueous solutions by graphene oxide. 2014 , 299, 1683-1691		20
911	Pyrolysis temperature influences ameliorating effects of biochars on acidic soil. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 2486-95	5.1	31
910	Benzene, toluene and o-xylene (BTX) removal from aqueous solutions through adsorptive processes. 2014 , 20, 577		13
909	Carbon as catalyst and support for electrochemical energy conversion. <i>Carbon</i> , 2014 , 75, 5-42	10.4	359
908	Modified SWCNTs with amphoteric redox and solubilizing properties. 2014 , 20, 7278-86		12
907	Sooting behaviors of n-butanol and n-dodecane blends. 2014 , 161, 671-679		38
906	Study of SO ₂ oxidation over V ₂ O ₅ /activated carbon catalyst using in situ diffuse reflectance infrared Fourier transformation spectroscopy. 2014 , 31, 794-800		8
905	Study of the Role of Surface Oxygen Functional Groups on Carbon Nanotubes in the Selective Oxidation of Acrolein. 2014 , 6, 1553-1557		18
904	Metal accumulation and antioxidant defenses in the freshwater fish <i>Carassius auratus</i> in response to single and combined exposure to cadmium and hydroxylated multi-walled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2014 , 275, 89-98	12.8	56
903	Preparation and characterization of activated carbon from grape stalk by zinc chloride activation. 2014 , 125, 200-206		183
902	Hybrid nanocarbon as a catalyst for direct dehydrogenation of propane: formation of an active and selective core-shell sp ² /sp ³ nanocomposite structure. 2014 , 20, 6324-31		88
901	The promoting role of minor amount of water in solvent-free hydrogenation of halogenated nitrobenzenes. 2014 , 25, 205-208		4
900	Surface properties of CNTs and their interaction with silica. 2014 , 413, 43-53		34

899	Effects of activated carbon properties on chlorobenzene adsorption and adsorption product analysis. <i>Chemical Engineering Journal</i> , 2014 , 236, 506-512	14.7	42
898	Physicochemical characteristics and sorption capacities of heavy metal ions of activated carbons derived by activation with different alkyl phosphate triesters. 2014 , 316, 443-450		21
897	Effects of carbon nanofiber on the dissolution and diffusion of CO ₂ in polypropylene nanocomposites. 2014 , 94, 252-260		4
896	Method To Characterize AcidBase Behavior of Biochar: Site Modeling and Theoretical Simulation. 2014 , 2, 2501-2509		27
895	Influence of nitric acid treatment time on the mechanical and surface properties of high-strength carbon fibers. 2014 , 48, 259-276		20
894	Assessment of kinetics, thermodynamics, and equilibrium parameters of Cu(II) adsorption onto Rosa canina seeds. 2014 , 52, 3226-3236		12
893	Adsorption of methylene blue from aqueous solutions by activated carbon prepared from hazelnut husk using zinc chloride. 2014 , 110, 270-276		74
892	Carboxylic acid recovery from aqueous solutions by activated carbon produced from sugarcane bagasse. 2014 , 20, 935-943		7
891	Characterization of Modified Biochars Derived from Bamboo Pyrolysis and Their Utilization for Target Component (Furfural) Adsorption. <i>Energy & Fuels</i> , 2014 , 28, 5119-5127	4.1	141
890	Simple small molecule carbon source strategy for synthesis of functional hydrothermal carbon: preparation of highly efficient uranium selective solid phase extractant. 2014 , 2, 1550-1559		84
889	Analysis of Water Adsorption and Condensation in Catalyst Layers for Polymer Electrolyte Fuel Cells. <i>Electrochimica Acta</i> , 2014 , 140, 238-249	6.7	16
888	Iron removal from liquid effluents by olive stones on adsorption column: breakthrough curves. 2014 , 73, 270-275		24
887	Tailoring the surface chemistry of activated carbon cloth by electrochemical methods. 2014 , 6, 11682-91		27
886	Organometallic Chemistry of Carbon Nanotubes and Graphene. 2014 , 201-224		2
885	Which determines power generation of microbial fuel cell based on carbon anode, surface morphology or oxygen-containing group?. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 15081-15087	6.7	19
884	Effective Adsorption of Sulfur Dioxide by Activated Carbons Containing Calcium Carbonate from Deinking Paper Sludge. 2014 , 53, 15620-15628		8
883	Kinetic, equilibrium and thermodynamic studies of synthetic dye removal using pomegranate peel activated carbon prepared by microwave-induced KOH activation. 2014 , 6, 18-35		212
882	Insight into the immobilization of ionic liquids on porous carbons. <i>Carbon</i> , 2014 , 77, 947-957	10.4	33

881	Catalytic wet air oxidation of phenol with functionalized carbon materials as catalysts: reaction mechanism and pathway. 2014 , 26, 1741-9		36
880	Application of Carbon Nanotubes in Heavy Metals Remediation. 2014 , 44, 1000-1035		57
879	Adsorptive Removal of Malachite Green Dye Using Durian Seed-Based Activated Carbon. 2014 , 225, 1		48
878	Preparation and utilization of anaerobic granular sludge-based biochar for the adsorption of methylene blue from aqueous solutions. 2014 , 198, 334-340		87
877	Partial graphitization of activated carbon by surface acidification. <i>Carbon</i> , 2014 , 79, 500-517	10.4	20
876	Long-term stability of hydrogenated DLC coatings: Effects of aging on the structural, chemical and mechanical properties. 2014 , 48, 65-72		38
875	Rheological properties of alcohol-coal suspensions based on Ukrainian coals of different ranks. 2014 , 48, 156-163		2
874	Assessment of kinetics, thermodynamics and equilibrium parameters of Cr(VI) biosorption onto <i>Pinus brutia</i> Ten. 2014 , 92, 139-147		22
873	Synthesis and surface-spectroscopic characterization of photoisomerizable glyco-SAMs on Au(111). 2014 , 20, 8744-52		22
872	A comparative evaluation of biological activated carbon and activated sludge processes for the treatment of tannery wastewater. 2014 , 2, 1445-1455		14
871	Esterification of lauric and oleic acids with methanol over oxidized and sulfonated activated carbon catalyst. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2014 , 113, 211-223	1.6	15
870	Hydrotreating of light gas oil using a NiMo catalyst supported on activated carbon produced from fluid petroleum coke. 2014 , 8, 161-170		6
869	Biological response to purification and acid functionalization of carbon nanotubes. 2014 , 16, 1		21
868	Assembly of acid-functionalized single-walled carbon nanotubes at oil/water interfaces. 2014 , 30, 1072-9		40
867	Activated carbon enhanced ozonation of oxalate attributed to HO oxidation in bulk solution and surface oxidation: effect of activated carbon dosage and pH. 2014 , 26, 2095-105		15
866	Adsorption of mercury from water by modified multi-walled carbon nanotubes: adsorption behaviour and interference resistance by coexisting anions. 2014 , 35, 1935-44		46
865	Cathode catalyst layers with ionomer to carbon mass ratios in the range 00 studied by electrochemical impedance spectroscopy, cyclic voltammetry, and performance measurements. 2014 , 272, 735-742		9
864	Promotion Effects of Nitrogen Doping into Carbon Nanotubes on Supported Iron Fischer-Tropsch Catalysts for Lower Olefins. 2014 , 4, 613-621		178

863	Comparison Between Dielectric Barrier Discharge Plasma and Ozone Regenerations of Activated Carbon Exhausted with Pentachlorophenol. 2014 , 16, 608-613		6
862	Effective reduction of graphene oxide thin films by a fluorinating agent: Diethylaminosulfur trifluoride. <i>Carbon</i> , 2014 , 76, 133-140	10.4	49
861	Functionalization of carbon xerogels for the preparation of palladium supported catalysts applied in sugar transformations. 2014 , 148-149, 424-435		17
860	Activation of carbon-supported platinum catalysts by sodium for the low-temperature water-gas shift reaction. 2014 , 144, 243-251		50
859	Control of carbon black aggregate size by using polystyrene-polyethylene oxide non ionic diblock copolymers. 2014 , 458, 187-194		8
858	FT-IR Analysis of Pyrone and Chromene Structures in Activated Carbon. <i>Energy & Fuels</i> , 2014 , 28, 4096-4103	4.1	56
857	Effect of cation type, alkyl chain length, adsorbate size on adsorption kinetics and isotherms of bromide ionic liquids from aqueous solutions onto microporous fabric and granulated activated carbons. 2014 , 144, 108-17		28
856	Activated carbon derived from rice husk by NaOH activation and its application in supercapacitor. 2014 , 24, 191-198		144
855	The effects of anodic treatment on the surface chemistry of a Graphite Intercalation Compound. <i>Electrochimica Acta</i> , 2014 , 135, 568-577	6.7	10
854	A novel porous carbon derived from hydrothermal carbon for efficient adsorption of tetracycline. <i>Carbon</i> , 2014 , 77, 627-636	10.4	197
853	Carbon mediated catalysis: A review on oxidative dehydrogenation. 2014 , 35, 824-841		67
852	Characterization of neutralized graphite oxide and its use in electric double layer capacitors. 2014 , 712, 185-193		16
851	Pd nanoparticles prepared by grafting of Pd complexes on phenol-functionalized carbon supports for liquid phase catalytic applications. 2014 , 474, 263-271		10
850	Electroadsorption of Arsenic from Natural Water in Granular Activated Carbon. 2014 , 1,		13
849	Sludge-Derived Biochar for Arsenic(III) Immobilization: Effects of Solution Chemistry on Sorption Behavior. 2015 , 44, 1119-26		58
848	Effect of Polarity of Activated Carbon Surface, Solvent and Adsorbate on Adsorption of Aromatic Compounds from Liquid Phase. 2015 , 63, 726-30		17
847	Collective Nature of Chemical Bonds in Fullerenes and Fullerites C60: Vibrational Resonances, Vibrational-Electronic Interactions, and Anomalous Enhancement of Bands in the Vibrational Spectra of Nano?lms (Results of Vibrational Spectroscopy and Quantum Chemical Calculations). 2015 , 128-171		2
846	Hydrolysis of Selected Tropical Plant Wastes Catalyzed by a Magnetic Carbonaceous Acid with Microwave. 2015 , 5, 17538		47

845	Cinétiques et isothermes d'adsorption de micropolluants sur un tissu et un feutre de carbone activé. 2015 , 28, 207-213	1
844	Degradation Mechanisms of Electric Double Layer Capacitors with Activated Carbon Electrodes on High Voltage Exposure. 2015 , 83, 609-618	11
843	X-ray photoelectron spectroscopy analysis for the chemical impact of solvent addition rate on electromagnetic shielding effectiveness of HCl-doped polyaniline nanopowders. 2015 , 118, 175501	35
842	Electrochemical investigations of carbon-based conductive coatings for application as anodes in ICCP systems of reinforced concrete structures. 2015 , 66, 627-634	5
841	Equilibrium, kinetics, and thermodynamic evaluation of mercury (II) removal from aqueous solutions by moss (<i>Homalothecium sericeum</i>) biomass. 2015 , 34, 1620-1628	1
840	Defluoridation of waters using low-cost HNO ₃ activated carbon derived from stems of <i>Senna occidentalis</i> plant. 2015 , 18, 420	21
839	Oxidative Dehydrogenation on Nanocarbon: Intrinsic Catalytic Activity and Structure-Function Relationships. 2015 , 127, 13886-13889	17
838	Oxidative Dehydrogenation on Nanocarbon: Intrinsic Catalytic Activity and Structure-Function Relationships. 2015 , 54, 13682-5	56
837	Adsorption of Pb(II) from Aqueous Solution on Oxidized Activated Carbon Fibers. 2015 , 71, 180-190	4
836	Characterization of Platinum Nanoparticles Deposited on Functionalized Graphene Sheets. 2015 , 8, 6484-6497	22
835	Cr(VI) Adsorption Onto Biomass Waste Material-Derived Activated Carbon. 2015 ,	3
834	Adsorption of chlorinated phenols on multiwalled carbon nanotubes. 2015 , 5, 24920-24929	19
833	Carbohydrate-based activated carbon with high surface acidity and basicity for nickel removal from synthetic wastewater. 2015 , 5, 52048-52056	16
832	A modeling analysis for the assessment of ibuprofen adsorption mechanism onto activated carbons. <i>Chemical Engineering Journal</i> , 2015 , 277, 360-367	14.7 66
831	Multicolor fluorescent graphene quantum dots colorimetrically responsive to all-pH and a wide temperature range. 2015 , 7, 11727-33	147
830	Variability within a single type of polyacrylonitrile-based graphite felt after thermal treatment. Part II: chemical properties. <i>Electrochimica Acta</i> , 2015 , 173, 24-30	6.7 25
829	Surface modification of sewage sludge derived carbonaceous catalyst for m-cresol catalytic wet peroxide oxidation and degradation mechanism. 2015 , 5, 41867-41876	22
828	Formation and chemistry of carboxylic anhydrides at the graphene edge. 2015 , 5, 104198-104202	15

827	A comparison of the charring and carbonisation of oxygen-rich precursors with the thermal reduction of graphene oxide. 2015 , 95, 4054-4077		13
826	Electrodes modified with carbon materials in electrosynthesis of the dissolved hydrogen peroxide solutions and their medical properties. 2015 , 51, 985-989		1
825	Dynamic studies on carbon dioxide capture using lignocellulosic based activated carbons. 2015 , 21, 633-643		9
824	Product Yield and Characteristics of Char. 2015 , 37, 2632-2638		3
823	Scavenging malachite green dye from aqueous solutions using pomelo (<i>Citrus grandis</i>) peels: kinetic, equilibrium and thermodynamic studies. 2015 , 56, 521-535		25
822	The determination of surface charge on nitrogen-containing reduced graphene oxides and its application to adsorb molybdate. 2015 , 152, 77-84		9
821	Simultaneous Adsorption of Pb(II)-Cd(II), Pb(II)-Phenol, and Cd(II)-Phenol by Activated Carbon Cloth in Aqueous Solution. 2015 , 226, 1		21
820	Interactive effects of biochar ageing in soils related to feedstock, pyrolysis temperature, and historic charcoal production. 2015 , 245-246, 56-64		107
819	The functionalisation of graphite surfaces with nitric acid: Identification of functional groups and their effects on gold deposition. <i>Journal of Catalysis</i> , 2015 , 323, 10-18	7-3	50
818	Conversion of grape industrial processing waste to activated carbon sorbent and its performance in cationic and anionic dyes adsorption. 2015 , 93, 84-93		156
817	On the nature of oxygen groups for NH ₃ -SCR of NO over carbon at low temperatures. <i>Chemical Engineering Journal</i> , 2015 , 270, 41-49	14-7	57
816	CHAPTER 4: Surface Chemistry of Nanostructured Carbon Materials and Preparation of Nanocarbon Supported Catalysts. 2015 , 163-222		1
815	Monitoring the Changes of Chemical Properties of Rice Straw Derived Biochars Modified by Different Oxidizing Agents and Their Adsorptive Performance for Organics. 2015 , 19, 171-182		47
814	Effect of the thermal treatment conditions of granulated active carbons on their properties. 2015 , 49, 196-200		4
813	Removal of ozone by activated carbons modified by oxidation treatments. 2015 , 224, 1995-1999		8
812	Tuning the Pore Structure and Surface Properties of Carbon-Based Acid Catalysts for Liquid-Phase Reactions. 2015 , 5, 4951-4958		54
811	Influence of Environmental Conditions on Carbon Black Oxidation by Reactive Oxygen Intermediates. 2015 , 113, 43-50		16
810	Study of the active site for acetylene hydrochlorination in AuCl ₃ /C catalysts. <i>Journal of Catalysis</i> , 2015 , 330, 273-279	7-3	33

809	Kinetic studies of sorption and reduction of gold(III) chloride complex ions on activated carbon Norit ROX 0.8. 2015 , 29, 289-297		17
808	Biochar of corn stover: Microwave-assisted pyrolysis condition induced changes in surface functional groups and characteristics. 2015 , 115, 149-156		76
807	Simultaneous Multifunctional Sorption of PFOS and Cr(VI) on Activated Carbon Prepared by One-Step Microwave Activation. 2015 , 226, 1		2
806	Low temperature H ₂ production from ammonia using ruthenium-based catalysts: Synergetic effect of promoter and support. 2015 , 172-173, 129-135		101
805	Synthesis of activated carbon based heterogenous acid catalyst for biodiesel preparation. 2015 , 176-177, 553-558		94
804	Mesoporous carbon adsorbents from melamine-formaldehyde resin using nanocasting technique for CO ₂ adsorption. 2015 , 32, 238-48		42
803	Bio-char derived from sewage sludge by liquefaction: Characterization and application for dye adsorption. 2015 , 346, 223-231		133
802	Surface characterization of rice husk bio-char produced by liquefaction and application for cationic dye (Malachite green) adsorption. 2015 , 155, 77-85		190
801	Adsorption of acetaldehyde onto carbide-derived carbon modified by oxidation. <i>Chemical Engineering Journal</i> , 2015 , 273, 580-587	14.7	30
800	Carbon surface functionalities and SEI formation during Li intercalation. <i>Carbon</i> , 2015 , 92, 193-244	10.4	80
799	XPS study of surface chemistry of tungsten carbides nanopowders produced through DC thermal plasma/hydrogen annealing process. 2015 , 339, 46-54		77
798	Generation of nitrogen functionalities on activated carbons by amidation reactions and Hofmann rearrangement: Chemical and electrochemical characterization. <i>Carbon</i> , 2015 , 91, 252-265	10.4	33
797	Carbon nanosphere adsorbents for removal of arsenate and selenate from water. 2015 , 2, 245-250		34
796	Acid Properties of Nanocarbons and Their Application in Oxidative Dehydrogenation. 2015 , 5, 3600-3608		49
795	Comparison between activated carbon and multiwall carbon nanotubes in the removal of cadmium(II) and chromium(VI) from water solutions. 2015 , 64, 64-73		21
794	Simple, Fast and Cost-Effective Electrochemical Synthesis of Few Layer Graphene Nanosheets. 2015 , 10, 1550019		37
793	Insight into the Enhanced Selectivity of Phosphate-Modified Annealed Nanodiamond for Oxidative Dehydrogenation Reactions. 2015 , 5, 2436-2444		49
792	Adsorption of perfluoroalkyl acids by carbonaceous adsorbents: Effect of carbon surface chemistry. <i>Environmental Pollution</i> , 2015 , 202, 168-76	9.3	46

791	Mechanisms of trichloramine removal with activated carbon: stoichiometric analysis with isotopically labeled trichloramine and theoretical analysis with a diffusion-reaction model. 2015 , 68, 839-48	9
790	Two novel and simple strategies for improvement of the traditional activation method for activated carbon preparation: nano-copper catalysis and Cu(II) doping. 2015 , 5, 81857-81865	1
789	Adsorption of Thiophenic Compounds by OFG-Tailored Fiber and Activated Carbons. 2015 , 150610065745006	1
788	Effect on physical and chemical characteristics of activated carbon on adsorption of trimethoprim: mechanisms study. 2015 , 5, 85187-85195	34
787	Peripheral versus axial substituted phthalocyanine-double-walled carbon nanotube hybrids as light harvesting systems. 2015 , 3, 10215-10224	15
786	Assessment of the surface chemistry of wood-derived biochars using wet chemistry, Fourier transform infrared spectroscopy and X-ray photoelectron spectroscopy. 2015 , 53, 753	18
785	Wet oxidation of ordered mesoporous carbon FDU-15 by using (NH ₄) ₂ S ₂ O ₈ for fast adsorption of Sr(II): An investigation on surface chemistry and adsorption mechanism. 2015 , 357, 1578-1586	15
784	Dimethyl carbonate synthesis from methyl nitrite and CO over activated carbon supported Wacker-type catalysts: The surface chemistry of activated carbon. 2015 , 72, 43-48	18
783	Effect of activated carbon surface functional groups on nano-lead electrodeposition and hydrogen evolution and its applications in lead-carbon batteries. <i>Electrochimica Acta</i> , 2015 , 186, 654-663	6.7 50
782	Adsorption of dyes by ACs prepared from waste tyre reinforcing fibre. Effect of texture, surface chemistry and pH. 2015 , 459, 189-198	31
781	Production and characterization of absorbent heat from the bark of residual Brazil nut bark (<i>Bertholletia Excelsa</i> l.). 2015 , 9, 36	3
780	Biosorption of basic violet 10 onto activated <i>Gossypium hirsutum</i> seeds: Batch and fixed-bed column studies. 2015 , 23, 1610-1619	23
779	Graphene Oxide: A Convenient Metal-Free Carbocatalyst for Facilitating Aerobic Oxidation of 5-Hydroxymethylfurfural into 2, 5-Diformylfuran. 2015 , 5, 5636-5646	125
778	High surface area microporous activated carbons prepared from Fox nut (<i>Euryale ferox</i>) shell by zinc chloride activation. 2015 , 356, 753-761	134
777	Preparation of boron-doped hydrothermal carbon from glucose for carbon paste electrode. <i>Carbon</i> , 2015 , 95, 42-50	10.4 30
776	Preparation and characterization of benzoic acid-modified activated carbon for removal of gaseous mercury chloride. 2015 , 160, 440-445	29
775	Adsorption characteristics and mechanism of sewage sludge-derived adsorbent for removing sulfonated methyl phenol resin in wastewater. 2015 , 5, 76160-76169	20
774	Biosorption of zinc ions onto <i>Corylus avellana</i> L.. 2015 , 53, 2692-2700	3

773	Direct dehydrogenation of isobutane to isobutene over carbon catalysts. 2015 , 36, 1214-1222		10
772	Role of the surface chemistry of activated carbons in dye removal from aqueous solution. 2015 , 22, 770-776		4
771	Impact of the pH on angles of contact of water wettability of brown coal. 2015 , 37, 155-160		3
770	A novel benzimidazole-functionalized 2-D COF material: synthesis and application as a selective solid-phase extractant for separation of uranium. 2015 , 437, 211-218		98
769	Enhanced electrochemical sensing of polyphenols by an oxygen-mediated surface. 2015 , 5, 5024-5031		22
768	Production, characterization, and evaluation of activated carbons from de-oiled canola meal for environmental applications. 2015 , 65, 572-581		34
767	Sorptive removal of salicylic acid and ibuprofen from aqueous solutions using pine wood fast pyrolysis biochar. <i>Chemical Engineering Journal</i> , 2015 , 265, 219-227	14.7	214
766	One-step preparation of hydrophilic carbon nanofiber containing magnetic Ni nanoparticles materials and their application in drug delivery. 2015 , 440, 179-88		28
765	Electrochemical and Mechanical Effects of Acid and Thermal Treatments of Carbon Fiber. 2015 , 17, 52-57		2
764	The use of heterogeneous chemistry for the characterization of functional groups at the gas/particle interface of soot from a diesel engine at a particular running condition. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 4863-72	5.1	6
763	Physical and chemical changes of coal during catalytic fluidized bed gasification. 2015 , 130, 292-298		27
762	Ni-MoS ₂ supported on carbon nanofibers as hydrogenation catalysts: Effect of support functionalisation. <i>Carbon</i> , 2015 , 81, 574-586	10.4	31
761	Equilibrium and dynamic study on hexavalent chromium adsorption onto activated carbon. <i>Journal of Hazardous Materials</i> , 2015 , 281, 47-55	12.8	123
760	Developments in activated functionalized carbons and their applications in water decontamination: a review. 2015 , 54, 422-449		15
759	Microporous and Mesoporous Materials in Decontamination of Water Process. 2016 ,		2
758	Adsorptive Removal of Ni(II) from Water using Oxidized Activated Carbon Derived from Sulfur Containing Petroleum Coke. 2016 , 42, 142-147		3
757	Co-production of Biochar, Bio-oil, and Syngas from Tamarix chinensis Biomass under Three Different Pyrolysis Temperatures. 2016 , 11,		4
756	CHEMICAL CHARACTERIZATION OF SUB-BITUMINOUS COAL FROM THE ARAUCO PROVINCE - CHILE. 2016 , 61, 2805-2808		

755	Fundamental properties of high-quality carbon nanofoam: from low to high density. 2016 , 7, 2065-2073	5
754	Is the Formation of Poly-CO ₂ Stabilized by Lewis Base Moieties in N- and S-Doped Porous Carbon?. 2016 , 2, 5	4
753	Design of Activated Carbon/Activated Carbon Asymmetric Capacitors. 2016 , 3,	37
752	CHARACTERIZACIÓN TEXTURAL Y QUÍMICA DE CARBONES ACTIVADOS PREPARADOS A PARTIR DE CUESCO DE PALMA AFRICANA (ELAEIS GUINEENSIS) POR ACTIVACIÓN QUÍMICA CON CaCl ₂ y MgCl ₂ . 2016 , 44, 18-24	2
751	Air Oxidation of Activated Carbon to Synthesize a Biomimetic Catalyst for Hydrolysis of Cellulose. 2016 , 9, 1299-303	53
750	The role of beaded activated carbon's surface oxygen groups on irreversible adsorption of organic vapors. <i>Journal of Hazardous Materials</i> , 2016 , 317, 284-294	12.8 26
749	Constructed Wetlands for Wastewater Treatment: Sustainability Revolution in Water Management. 2016 , 337-373	1
748	In Situ FTIR Spectroscopy: Probing the Electrochemical Interface during the Oxygen Reduction Reaction on a Commercial Platinum High-Surface-Area Catalyst. 2016 , 8, 1125-1131	14
747	Optimization of adsorption conditions for the removal of petroleum compounds from marine environment using modified activated carbon fiber by response surface methodology. 2016 , 35, 1400-1406	5
746	Investigation of electrochemical behaviour of storage device prototypes with carbon electrodes. 2016 , 50, 1032-1042	2
745	Adsorption Performance of Acetone on Activated Carbon Modified by Microwave Heating and Alkali Treatment. 2016 , 49, 958-966	5
744	Selective surface modification in bimodal mesoporous CMK-5 carbon. 2016 , 4, 18426-18431	13
743	Time-of-flight secondary ion mass spectrometry as a tool for evaluating the plasma-induced hydrogenation of graphene. 2016 , 34, 03H113	3
742	Adsorption of Ethyl Acetate from Water by Nanoporous Carbon Prepared from Waste Materials. 2016 , 227, 1	4
741	H ₂ O/air plasma-functionalized carbon nanotubes decorated with MnO ₂ for glucose sensing. 2016 , 6, 31807-31815	21
740	Adsorption of thiophene, dibenzothiophene, and 4,6-dimethyl dibenzothiophene on activated carbons. 2016 , 34, 227-243	11
739	Phenyl-functionalized magnetic palm-based powdered activated carbon for the effective removal of selected pharmaceutical and endocrine-disruptive compounds. 2016 , 152, 71-80	50
738	Pb(II) adsorption by biomass from chemically modified aquatic macrophytes, <i>Salvinia</i> sp. and <i>Pistia stratiotes</i> . 2016 , 73, 2670-9	7

737	Impact of characteristic of activated carbons on the efficiency of removal from water of pharmaceutical preparations of various chemical nature. 2016 , 38, 83-88		4
736	Analysis of the chemical features of particles generated from ethylene and ethylene/2,5 dimethyl furan flames. 2016 , 167, 268-273		32
735	Quantitative determination of acidic groups in functionalized graphene by direct titration. 2016 , 103, 44-53		15
734	Carbon Nanotube-Based Solid Sulfonic Acids as Catalysts for Production of Fatty Acid Methyl Ester via Transesterification and Esterification. 2016 , 4, 3140-3150		56
733	Enriched surface acidity for surfactant-free suspensions of carboxylated carbon nanotubes purified by centrifugation. 2016 , 8, 26-33		4
732	Supercritical water hydrolysis of cellulosic biomass as effective pretreatment to catalytic production of hexitols and ethylene glycol over Ru/MCM-48. <i>Green Chemistry</i> , 2016 , 18, 4051-4062	10	27
731	Study of Different Types of Carbon Fiber Oxidation Kinetics. 2016 , 56, 605-609		3
730	Role of surface chemistry in modified ACF (activated carbon fiber)-catalyzed peroxymonosulfate oxidation. 2016 , 383, 142-150		73
729	The Effect of water-glycerol mixtures on rheological properties of coal slurries. 2016 , 78, 109-114		3
728	Comparative study between Au/Pd/Cu and Au/Pd(P)/Cu films in soldering applications. 2016 , 303, 103-111		10
727	Promoting effect of ammonia modification on activated carbon catalyzed peroxymonosulfate oxidation. 2016 , 160, 81-88		27
726	Removal of lead(II) from water using activated carbon developed from jujube stones, a low-cost sorbent. 2016 , 51, 1645-1653		12
725	Improving the deconvolution and interpretation of XPS spectra from chars by ab initio calculations. <i>Carbon</i> , 2016 , 110, 155-171	10.4	168
724	Adsorptive recovery of ethylene by CuCl ₂ loaded activated carbon via E-complexation. 2016 , 34, 355-367		3
723	Enhanced mechanical properties and thermal stability of PSMA by functionalized graphene nanosheets. 2016 , 6, 68748-68753		8
722	Microwave-assisted preparation and characterization of mesoporous activated carbon from mushroom roots by phytic acid (C ₆ H ₁₈ O ₂₄ P ₆) activation. 2016 , 67, 532-537		28
721	Nitrobenzene-adsorption capacity of NaOH-modified spent coffee ground from aqueous solution. 2016 , 68, 232-238		18
720	Enhancing low pressure CO ₂ adsorption of solvent-free derived mesoporous carbon by highly dispersed potassium species. 2016 , 6, 33580-33588		8

719	Electric field induced activated carbon fiber (ACF) cathode transition from an initiator/a promoter into an electrocatalyst in ozonation process. <i>Chemical Engineering Journal</i> , 2016 , 304, 129-133	14.7	29
718	Cubic KTi ₂ (PO ₄) ₃ as electrode materials for sodium-ion batteries. 2016 , 483, 67-72		14
717	Electrochemical properties of multi-walled carbon nanotubes treated with nitric acid for a supercapacitor electrode. 2016 , 506, 664-669		16
716	Formation and composition of adsorbates on hydrophobic carbon surfaces from aqueous laccase-maltodextrin mixture suspension. 2016 , 385, 216-224		9
715	Characterization of hydrogenated graphite powder by X-ray photoelectron spectroscopy and time-of-flight secondary ion mass spectrometry. 2016 , 6, 80649-80654		10
714	Proton-selective electrode for pH sensing. 2016 , 73, 80-84		5
713	Carbon oxidation and its influence on self-discharge in aqueous electrochemical capacitors. <i>Carbon</i> , 2016 , 110, 232-242	10.4	31
712	Sedimentation of coal particles in lower aliphatic alcohols and the stability of alcohol/coal suspensions. 2016 , 50, 39-45		2
711	Highly efficient adsorbing noble metal ions by 3,4-dihydroxycinnamic acid-modified activated carbon. 2016 , 96, 990-1002		2
710	Mechanism of Thermal Defunctionalization of Oxidized Carbon Nanotubes. 2016 , 120, 17465-17474		52
709	New insights into the early stages of thermal oxidation of carbon/carbon composites using electrochemical methods. <i>Carbon</i> , 2016 , 108, 178-189	10.4	18
708	Ammonium persulfate oxidized activated carbon fiber as a high capacity adsorbent for aqueous Pb(II). 2016 , 4, 4644-4652		21
707	Carbon as Quasi-Reference Electrode in Unconventional Lithium-Salt Containing Electrolytes for Hybrid Battery/Supercapacitor Devices. 2016 , 163, A2956-A2964		25
706	pH controlled adsorption of water-soluble ruthenium clusters onto carbon nanotubes and nanofiber surfaces. 2016 , 18, 32210-32221		4
705	Induced Potential in Porous Carbon Films through Water Vapor Absorption. 2016 , 55, 8003-7		104
704	Induced Potential in Porous Carbon Films through Water Vapor Absorption. 2016 , 128, 8135-8139		7
703	Exploring the potential energy surface for reaction of SWCNT with NO ₂ ⁺ : A model reaction for oxidation of carbon nanotube in acid solution. 2016 , 1088, 1-8		9
702	Electrocatalytic processes promoted by diamond nanoparticles in enzymatic biosensing devices. 2016 , 111, 93-9		10

701	Silane functionalization of nanodiamond for polymer nanocomposites-effect of degree of silanization. 2016 , 506, 254-263		47
700	Chemical and Electrochemical Studies of Carbon Black Surface by Treatment with Ozone and Nitrogen Oxide. 2016 , 3, S252-S257		16
699	Ultrafast electron transfer in all-carbon-based SWCNT-C60 donor-acceptor nanoensembles connected by poly(phenylene-ethynylene) spacers. 2016 , 8, 14716-24		15
698	Evaluation of antimony microparticles supported on biochar for application in the voltammetric determination of paraquat. 2016 , 62, 123-9		29
697	Enhanced Immobilization of Cr(VI) in Soils by the Amendment of Rice Straw Char. 2016 , 25, 505-518		7
696	Preparation and Characterization of a Novel Activated Carbon from Vine Shoots by ZnCl ₂ Activation and Investigation of Its Rifampicine Removal Capability. 2016 , 227, 1		18
695	Studies on the cytotoxicity of diamond nanoparticles against human cancer cells and lymphocytes. 2016 , 254, 156-66		23
694	Phenol adsorption on different nano-sized carbon materials: first comparative study. 2016 , 22, 437-444		4
693	Activated carbons for chalcone production: Claisen-Schmidt condensation reaction. <i>Chemical Engineering Journal</i> , 2016 , 303, 604-610	14.7	22
692	Tensile and interfacial properties of polyacrylonitrile-based carbon fiber after different cryogenic treated condition. 2016 , 99, 358-365		47
691	Dodecyl sulfate chain anchored mesoporous graphene: Synthesis and application to sequester heavy metal ions from aqueous phase. <i>Chemical Engineering Journal</i> , 2016 , 304, 431-439	14.7	24
690	Plam oil empty fruit bunch based magnetic biochar composite comparison for synthesis by microwave-assisted and conventional heating. 2016 , 120, 521-528		55
689	Nanostructured activated carbon xerogels for removal of methomyl pesticide. 2016 , 57, 9957-9970		8
688	Activated carbon production from the <i>Guadua amplexifolia</i> using a combination of physical and chemical activation. 2016 , 124, 1383-1398		17
687	The decomposition of dimethyl carbonate over carbon supported Cu catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2016 , 117, 623-638	1.6	3
686	Systematic sorption studies of camptothecin on oxidized single-walled carbon nanotubes. 2016 , 490, 121-132		9
685	Upgrading waste tires by chemical activation for the capture of SO ₂ . 2016 , 144, 274-281		19
684	Equilibrium and Dynamic CO ₂ Adsorption on Activated Carbon Honeycomb Monoliths. 2016 , 55, 7898-7905		16

683	Adsorption of amoxicillin by Mn-impregnated activated carbons: performance and mechanisms. 2016 , 6, 11454-11460	22
682	IPN hydrogel nanocomposites based on agarose and ZnO with antifouling and bactericidal properties. 2016 , 61, 376-86	24
681	Surface and Catalytical effects on Treated Carbon Materials for Hydrogen Peroxide Electrogeneration. 2016 , 7, 60-69	26
680	Equilibrium, kinetics and thermodynamics study of phenols adsorption onto activated carbon obtained from lignocellulosic material (Eucalyptus Globulus labill seed). 2016 , 22, 33-48	34
679	Soil N transformation and microbial community structure as affected by adding biochar to a paddy soil of subtropical China. 2016 , 15, 209-219	34
678	Composition of the Electrode Determines Which Half-Cell Rate Constant is Higher in a Vanadium Flow Battery. 2016 , 120, 15893-15901	80
677	Co-production of biochar, bio-oil and syngas from halophyte grass (Achnatherum splendens L.) under three different pyrolysis temperatures. 2016 , 211, 457-63	58
676	Batch and Column Adsorption of Reactive Red 198 from Textile Industry Effluent by Microporous Activated Carbon Developed from Walnut Shells. 2016 , 7, 1255-1270	22
675	Esterification of rapeseed oil fatty acids using a carbon-based heterogeneous acid catalyst derived from cellulose. 2016 , 519, 99-106	55
674	Effect of superheated steam treatment of carbon fiber on interfacial adhesion to epoxy resin. 2016 , 85, 156-162	21
673	Superparamagnetic Fe ₃ O ₄ nanoparticles: synthesis by a solvothermal process and functionalization for a magnetic targeted curcumin delivery system. 2016 , 40, 4480-4491	47
672	Preparation of Activated Carbon-SnO ₂ , TiO ₂ , and WO ₃ Catalysts. Study by FT-IR Spectroscopy. 2016 , 55, 5200-5206	29
671	Nanodiamond and Nano-Onion-Like Carbon Oxidation Kinetics. 2016 , 56, 561-565	2
670	Water-Soluble Phosphated Graphene: Preparation, Characterization, Catalytic Reactivity, and Adsorption Property. 2016 , 55, 2970-2982	34
669	Interactions between reactive oxygen groups on nanoporous carbons and iron oxyhydroxide nanoparticles: effect on arsenic(V) removal. 2016 , 22, 181-194	7
668	Molecular Characterization of the Gas-Particle Interface of Soot Sampled from a Diesel Engine Using a Titration Method. 2016 , 50, 2946-55	11
667	Preparation and characterisation of activated carbon from animal bones and its application for removal of organic micropollutants from aqueous solution. 2016 , 57, 25070-25079	3
666	Biodiesel production catalyzed by highly acidic carbonaceous catalysts synthesized via carbonizing lignin in sub- and super-critical ethanol. 2016 , 190, 103-114	64

665	High surface area microporous carbons as photoreactors for the catalytic photodegradation of methylene blue under UV _A irradiation. 2016 , 517, 1-11		25
664	Adsorption of Diclofenac from aqueous solution using activated carbon prepared from olive stones. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 10380-10390	6.7	128
663	Accessible area and hydrophobicity of activated carbons obtained from the enthalpy characterization. 2016 , 22, 3-11		8
662	Activated carbons obtained from agro-industrial waste: textural analysis and adsorption environmental pollutants. 2016 , 22, 23-31		21
661	Influence of acidic and basic treatments of activated carbon derived from waste rubber tires on adsorptive desulfurization of thiophenes. 2016 , 60, 460-468		106
660	Behavior of phenol adsorption on thermal modified activated carbon. 2016 , 24, 446-452		58
659	High surface area mesoporous activated carbon from tomato processing solid waste by zinc chloride activation: process optimization, characterization and dyes adsorption. 2016 , 113, 995-1004		247
658	Role of the intrinsic properties of partially reduced graphene oxides on the chemical transformation of iopromide. <i>Carbon</i> , 2016 , 99, 456-465	10.4	26
657	Nitrogen-functionalised carbon nanotubes as a novel adsorbent for the removal of Cu(II) from aqueous solution. 2016 , 6, 2731-2745		35
656	Simple fabrication of molecular sieving carbon for biogas upgrading via a temperature controlled carbonization of <i>Phyllostachys pubescens</i> . 2016 , 86, 693-702		12
655	Nanodiamonds: Behavior in Biological Systems and Emerging Bioapplications. 2016 , 319-361		5
654	Kinetics of protein adsorption by nanoporous carbons with different pore size. 2016 , 22, 541-552		12
653	Adsorptions of Cd(II) and Pb(II) in aqueous solution by rice-straw char. 2016 , 57, 21619-21626		4
652	Comparing hydrogen sorption in different Pd-doped pristine and surface-modified nanoporous carbons. <i>Carbon</i> , 2016 , 98, 1-14	10.4	9
651	Enhance Cr(VI) removal by quaternary amine-anchoring activated carbons. 2016 , 58, 434-440		7
650	Effect of porosity and surface chemistry on the adsorption-desorption of uranium(VI) from aqueous solution and groundwater. 2016 , 308, 555-565		26
649	Adsorption characteristics of Congo red on carbonized leonardite. 2016 , 134, 506-514		53
648	Hydrolysis of woody biomass by a biomass-derived reusable heterogeneous catalyst. 2016 , 7, 692-696		81

647	Characterization and mechanism of the adsorptive removal of 2,4,6-trichlorophenol by biochar prepared from sugarcane baggase. 2016 , 33, 115-121		41
646	One-pot titration methodology for the characterization of surface acidic groups on functionalized carbon nanotubes. <i>Carbon</i> , 2016 , 96, 729-741	10.4	15
645	β-Cyclodextrin incorporated nanoporous carbon: Host-guest inclusion for removal of p-Nitrophenol and pesticides from aqueous solutions. <i>Chemical Engineering Journal</i> , 2016 , 283, 1424-1434	14.7	42
644	Hydrodeoxygenation of lignin-derived monomers and lignocellulose pyrolysis oil on the carbon-supported Ru catalysts. 2016 , 265, 192-198		54
643	Roles of surface chemistry and structural defects of activated carbons in the oxidative desulfurization of benzothiophenes. 2016 , 163, 223-231		50
642	Citric acid-modified carbon chemical filtration for cleanroom air quality control: Study on N-methyl-2-pyrrolidone and the interference of co-existing toluene. 2016 , 25, 772-785		6
641	Sorption heavy metal ions by activated carbons with well-developed microporosity and amino groups derived from Phragmites australis by ammonium phosphates activation. 2016 , 58, 290-296		41
640	Coordination chemistry on carbon surfaces. 2016 , 308, 236-345		83
639	New carbon adsorbent from polymer waste for effective removal of mercury from water. 2016 , 57, 15435-15444		44
638	Adsorption of cyanide ions in aqueous solution using raw and oxidized coke. 2016 , 57, 3522-3531		2
637	Artichoke as a non-conventional precursor for activated carbon: Role of the activation processPeer review under responsibility of Taibah University.View all notes. 2017 , 11, 677-688		6
636	Synthesis and characterization of microporous activated carbon from coffee grounds using potassium hydroxides. 2017 , 147, 254-262		86
635	Selective adsorption of Pb 2+ , Cr 3+ and Cd 2+ mixtures on activated carbons prepared from waste tires. 2017 , 5, 1060-1067		29
634	Electrochemical performance of microporous and mesoporous activated carbons in neat and diluted 1-ethyl-3-methylimidazolium tetrafluoroborate. 2017 , 343, 303-315		4
633	Preparation of porous carbon materials via direct carbonization of waste mineral water bottles and their super capacitive properties. 2017 , 23, 1239-1248		6
632	Mesoporous silica and carbon based catalysts for esterification and biodiesel fabricationThe effect of matrix surface composition and porosity. 2017 , 533, 49-58		31
631	Application of acid modified polyurethane foam surface for detection and removing of organochlorine pesticides from wastewater. 2017 , 1044-1045, 95-102		16
630	Improved hydrogen selectivity of Surface Modified Graphite (SMG) membranes: Permeation experiments and characterisation by micro-Raman spectroscopy and XPS. 2017 , 528, 316-325		4

629	Activated carbons for applications in catalysis: the point of view of a physical-chemist. 2017 , 28, 29-42	4
628	Minor Impact of Ligand Shell Steric Profile on Colloidal Nanocarbon Catalysis. 2017 , 29, 495-498	6
627	Synthesis of CTAB intercalated graphene and its application for the adsorption of AR265 and AO7 dyes from water. 2017 , 493, 51-61	67
626	Substrate-dependent electronic structure and film formation of MAPbI perovskites. 2017 , 7, 40267	189
625	Alkaline treated carob shells as sustainable biosorbent for clean recovery of heavy metals: Kinetics, equilibrium, ions interference and process optimisation. 2017 , 101, 9-20	24
624	Activated Carbons Prepared from a Broad Range of Residual Agricultural Biomasses Tested for Xylene Abatement in the Gas Phase. 2017 , 5, 2368-2374	24
623	Carbon Dioxide Electroreduction using a Silver-Zinc Alloy. 2017 , 5, 955-961	34
622	Aqueous solution of Oxone as new oxidizing agent for multi-walled carbon nanotube functionalization. 2017 , 25, 312-317	3
621	Carbokatalyse in Flüssigphasenreaktionen. 2017 , 129, 956-985	30
620	Passive films on nanocomposite carbide coatings for electrical contact applications. 2017 , 52, 8231-8246	10
619	Effect of textual features and surface properties of activated carbon on the production of hydrogen peroxide from hydroxylamine oxidation. 2017 , 7, 25305-25313	4
618	Adsorption of VOCs onto engineered carbon materials: A review. <i>Journal of Hazardous Materials</i> , 2017 , 338, 102-123	12.8 672
617	Potential of used <i>Camellia sinensis</i> leaves as precursor for activated carbon preparation by chemical activation with H ₃ PO ₄ ; optimization using response surface methodology. 2017 , 109, 548-563	49
616	Bio-propylene glycol by liquid phase hydrogenolysis of glycerol with Ni/SiO ₂ -C catalysts. 2017 , 296, 26-34	12
615	Adsorption of copper and zinc onto carbon material in an aqueous solution oxidized by ammonium peroxydisulphate. 2017 , 186, 255-263	13
614	Oxygen functionalized carbon nanocomposite derived from natural illite as adsorbent for removal of cationic and anionic dyes. 2017 , 28, 1943-1953	12
613	Influence of the surface functionalization conditions on the properties of carbon fibers and supported palladium. 2017 , 90, 225-235	
612	Development of a nitrogen-functionalized carbon adsorbent derived from biomass waste by diammonium hydrogen phosphate activation for Cr(VI) removal. 2017 , 318, 459-464	29

611	Influence of activated carbon surface oxygen functionality on elemental mercury adsorption from aqueous solution. 2017 , 5, 2879-2885		12
610	Ultra-deep desulfurization of diesel fuel via selective adsorption over modified activated carbon assisted by pre-oxidation. 2017 , 161, 422-430		23
609	Kinetic, equilibrium and thermodynamic studies of thiamethoxam adsorption by multi-walled carbon nanotubes. 2017 , 14, 1297-1306		7
608	Factors Determining the Catalytic Activity of Multi-walled Carbon Nanotubes in the Decomposition of Diacyl Peroxides in Non-aqueous Media (DPDec). 2017 , 147, 1966-1976		4
607	Pyrolysis wastewater treatment by adsorption on biochars produced by poplar biomass. 2017 , 197, 231-238		44
606	Effect of pore structure and oxygen-containing groups on adsorption of dibenzothiophene over activated carbon. 2017 , 200, 54-61		31
605	Carbon xerogel as gas diffusion layer in PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 10448-10454	6.7	9
604	Biosynthesized Gold/Activated Carbon Catalyst for Aerobic Glucose Oxidation: Influence of Acid Treatment on Activated Carbon. 2017 , 35, 681-686		2
603	Trichloramine Removal with Activated Carbon Is Governed by Two Reductive Reactions: A Theoretical Approach with Diffusion-Reaction Models. 2017 , 51, 4541-4548		2
602	A Review of Biorefinery Separations for Bioproduct Production via Thermocatalytic Processing. 2017 , 8, 115-137		15
601	Graphene quantum dots: effect of size, composition and curvature on their assembly. 2017 , 7, 17704-17710		27
600	Oxidation of carbon nanotubes with ozone and hydroxyl radicals. <i>Carbon</i> , 2017 , 111, 631-640	10.4	17
599	Preparation and characterization of activated carbons from waste tea by H ₃ PO ₄ activation in different atmospheres for oxytetracycline removal. 2017 , 71, 494-500		71
598	Pt Electrocatalysts Supported on Functionalized Carbonaceous Materials. 2017 , 164, F22-F31		2
597	Changes in biochar physical and chemical properties: Accelerated biochar aging in an acidic soil. <i>Carbon</i> , 2017 , 115, 209-219	10.4	88
596	New insights in the adsorption of Bovine Serum Albumin onto carbon nanoparticles derived from organic resin: Experimental and theoretical studies. 2017 , 241, 418-428		20
595	A green and economical vapor-assisted ozone treatment process for surface functionalization of carbon nanotubes. <i>Green Chemistry</i> , 2017 , 19, 1052-1062	10	28
594	One-step Preparation of Carbon-based Solid Acid Catalyst from Water Hyacinth Leaves for Esterification of Oleic Acid and Dehydration of Xylose. 2017 , 12, 3178-3186		23

593	Selection of carbon materials and modification methods in low-temperature sintering flue gas denitrification. 2017 , 126, 278-285		37
592	Optimization of the voltage window for long-term capacitive deionization stability. 2017 , 424, 53-61		47
591	Stability and catalytic properties of nanostructured carbons in electrochemical environments. <i>Journal of Catalysis</i> , 2017 , 355, 156-166	7.3	12
590	Characterization of coal char surface behavior after a heterogeneous oxidative treatment. 2017 , 210, 154-164		16
589	The importance of surface functional groups in the adsorption of copper onto walnut shell derived activated carbon. 2017 , 76, 3022-3034		31
588	Rapid adsorption removal of hydrogen sulfide by surface-modified activated carbon. 2017 ,		1
587	The effect of surface chemistry on the performances of Pd-based catalysts supported on activated carbons. 2017 , 7, 4162-4172		13
586	Graphene oxide as a catalyst for the diastereoselective transfer hydrogenation in the synthesis of prostaglandin derivatives. <i>Chemical Communications</i> , 2017 , 53, 10271-10274	5.8	6
585	Preparation and characterization of colloidal dispersions of graphene-like structures from different ranks of coals. 2017 , 45, 897-907		11
584	Valorization of coffee grounds into activated carbon using physicochemical activation by KOH/CO ₂ . 2017 , 5, 5061-5066		18
583	Recent Developments in the Use of Porous Carbon Materials for Cellulose Conversion. 2017 , 79-98		3
582	Electrocatalytic Water Oxidation by MnO ₂ /C: In Situ Catalyst Formation, Carbon Substrate Variations, and Direct O ₂ /CO Monitoring by Membrane-Inlet Mass Spectrometry. 2017 , 10, 4491-4502		18
581	Biodiesel production from high acid value oils with a highly active and stable bifunctional magnetic acid. 2017 , 204, 702-714		47
580	Rapid and efficient removal of Pb(II) from aqueous solutions using biomass-derived activated carbon with humic acid in-situ modification. 2017 , 145, 442-448		31
579	Adsorption of sulfur compounds from natural gas by different adsorbents and desorption using supercritical CO ₂ . 2017 , 5, 4353-4364		10
578	Effects of decreasing activated carbon particle diameter from 30 μm to 140 nm on equilibrium adsorption capacity. 2017 , 124, 425-434		24
577	Enhanced removal of humic acid from micro-polluted source water in a surface discharge plasma system coupled with activated carbon. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 21591-21600	5.1	6
576	Sorption of ionizable and ionic organic compounds to biochar, activated carbon and other carbonaceous materials. 2017 , 124, 673-692		211

575	Positive zeta potential of nanodiamonds. 2017 , 9, 12549-12555		61
574	Scavenging Rhodamine B dye using moringa oleifera seed pod. 2017 , 29, 120-134		34
573	WITHDRAWN: Adsorption kinetics of methylene blue using alkali and microwave modified apricot stones. 2017 ,		1
572	Cellulose Hydrolysis Using Oxidized Carbon Catalyst in a Plug-Flow Slurry Process. 2017 , 56, 14471-14478		15
571	Water adsorption on carbon - A review. 2017 , 250, 64-78		122
570	Application of Nanocarbon Materials to Catalysis. 2017 , 37-56		3
569	Determination of the acidic properties of carboxylated carbocatalysts in an acid-catalyzed ring-opening reaction using kinetic profiling. 2017 , 10, 2954-2965		5
568	Enhanced adsorption removal of antibiotics from aqueous solutions by modified alginate/graphene double network porous hydrogel. 2017 , 507, 250-259		78
567	A novel disposal approach of deactivated resin catalyst for methyl tert-butyl ether synthesis: Preparation of low-cost activated carbons with remarkable performance on dibenzothiophene adsorption. 2017 , 207, 47-55		13
566	Influence of Pyrolysis Conditions on Surface Characteristics and Methylene Blue Adsorption of Biochar Derived from Date Seed Biomass. 2017 , 8, 2061-2073		55
565	Treatability study using novel activated carbon prepared from rice husk: Column study, optimization using response surface methodology and mathematical modeling. 2017 , 105, 184-193		14
564	Preference of multi-walled carbon nanotube (MWCNT) to single-walled carbon nanotube (SWCNT) and activated carbon for preparing silica nanohybrid pickering emulsion for chemical enhanced oil recovery (C-EOR). 2017 , 245, 164-173		30
563	Structural and surface functionality changes in reticulated vitreous carbon produced from poly(furfuryl alcohol) with sodium hydroxide additions. 2017 , 394, 87-97		13
562	Application of response surface methodology for optimization of trace amount of diazinon preconcentration in natural waters and biological samples by carbon mesoporous CMK-3. 2017 , 31, e3874		7
561	Characterization of pesticide sorption behaviour of slow pyrolysis biochars as low cost adsorbent for atrazine and imidacloprid removal. <i>Science of the Total Environment</i> , 2017 , 577, 376-385	10.2	164
560	Carbocatalysis in Liquid-Phase Reactions. 2017 , 56, 936-964		172
559	Optimization of a cationic dye removal by a chemically modified agriculture by-product using response surface methodology: biomasses characterization and adsorption properties. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 9831-9846	5.1	41
558	Conductive inks of graphitic nanoparticles from a sustainable carbon feedstock. <i>Carbon</i> , 2017 , 111, 142-149	14.4	23

557	NO removal activity and surface characterization of activated carbon with oxidation modification. 2017 , 90, 813-823	23
556	Nitric acid oxidation of electrospun carbon nanofibers as supercapacitor electrodes. 2017 , 87, 2337-2348	12
555	Chemical and hydrophobic modification of activated WD-extra carbon. 2017 , 14, 02033	3
554	Activated carbon fibers modified with sulfur-containing functional groups. 2017 ,	3
553	Adsorption of ibuprofen from aqueous solution on chemically surface-modified activated carbon cloths. 2017 , 10, S3584-S3594	84
552	Computer simulation of benzene, toluene and p-xylene adsorption onto activated carbon. 2017 , 16, 1176-1181	0
551	Diamond-Like Carbon Nanofoam from Low-Temperature Hydrothermal Carbonization of a Sucrose/Naphthalene Precursor Solution. 2017 , 3, 23	5
550	Surface Functional Groups and Graphitization Degree of Soot in the Sooting History of Methane Premixed Flame. 2017 ,	1
549	Density functional theory study the effects of oxygen-containing functional groups on oxygen molecules and oxygen atoms adsorbed on carbonaceous materials. 2017 , 12, e0173864	17
548	Removal of hexavalent chromium upon interaction with biochar under acidic conditions: mechanistic insights and application. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 16786-16797 ⁵¹	59
547	Modelling of carbon nanotube functionalization processes. 2017 , 129, 02014	
546	Caracterización de filtros comerciales para agua a base de carbón activado para el tratamiento de agua del río Tumbes - Perú. 2017 , 46, 37-45	1
545	Adsorbents made from textile scraps: preparation, characterization and application for removal of reactive dye. 2018 , 20, 839-853	6
544	Advanced treatment of phenol by H ₂ O ₂ /UV/activated carbon coupling: Influence of homogeneous and heterogeneous phase. 2018 , 96, 1979-1985	1
543	Effect of pH on the Activity of Platinum Group Metal-Free Catalysts in Oxygen Reduction Reaction. 2018 , 8, 3041-3053	109
542	Removal of carbamazepine in water by electro-activated carbon fiber-peroxydisulfate: Comparison, optimization, recycle, and mechanism study. <i>Chemical Engineering Journal</i> , 2018 , 343, 28-36	14-7 75
541	TS-1 supported highly dispersed sub-5 nm gold nanoparticles toward direct propylene epoxidation using H ₂ and O ₂ . 2018 , 261, 92-102	18
540	Effect of thermal transformation and stability on the flammability of PAN precursors-based carbon fibres. 2018 , 133, 1075-1084	1

539	Determination of specific capacitance of modified candlenut shell based carbon as electrode material for supercapacitor. 2018 , 979, 012024		3
538	Adsorption of basic dyes onto activated carbon: Experimental and theoretical investigation of chemical reactivity of basic dyes using DFT-based descriptors. 2018 , 448, 662-670		72
537	Microporous nano hybrids of carbon xerogels and multi-walled carbon nanotubes for removal of rhodamine B dye. 2018 , 23, 165-173		18
536	Comparative toxicity of three differently shaped carbon nanomaterials on <i>Daphnia magna</i> : does a shape effect exist?. 2018 , 12, 201-223		24
535	Reactions of SO and NH with epoxy groups on the surface of graphite oxide powder. 2018 , 20, 6431-6439		12
534	Carbon-supported MnO ₂ nanoflowers: Introducing oxygen vacancies for optimized volcano-type electrocatalytic activities towards H ₂ O ₂ generation. <i>Electrochimica Acta</i> , 2018 , 268, 101-110	6.7	34
533	Design and synthesis of porous polymeric materials and their applications in gas capture and storage: a review. 2018 , 25, 1		62
532	High self-dispersibility carbon black particles prepared via hydroxylation and urethane chains encapsulation for enhancing properties of waterborne polyurethane composite films. 2018 , 543, 46-55		11
531	Novel multifunctional cheese-like 3D carbon-BN as a highly efficient adsorbent for water purification. 2018 , 8, 1104		32
530	Steam activation and mild air oxidation of vacuum pyrolysis biochar. 2018 , 108, 101-112		56
529	Polyol derived sulfonated solvothermal carbon for efficient dye removal from aqueous solutions. 2018 , 249, 892-903		11
528	Porous Carbon Nanosheet-Supported Chiral Squaramide for Highly Enantioselective Friedel-Crafts Reaction. 2018 , 10, 1248-1252		13
527	Catalytic conversion of furfural from pyrolysis of sunflower seed hulls for producing bio-based furfuryl alcohol. 2018 , 178, 237-246		28
526	Production of hydrocarbon fuels from heavy fraction of bio-oil through hydrodeoxygenative upgrading with Ru-based catalyst. 2018 , 215, 825-834		63
525	Oxidation and stability of multi-walled carbon nanotubes in hydrogen peroxide solution. 2018 , 214, 472-481		7
524	Development and validation of a finite-rate model for carbon oxidation by atomic oxygen. <i>Carbon</i> , 2018 , 137, 313-332	10.4	20
523	A novel catalyst of ceria-nanorods loaded on carbon xerogel for catalytic wet oxidation of methyl green dye. 2018 , 88, 234-242		12
522	DEMS strategy for the determination of the difference in surface acidity of carbon materials. 2018 , 90, 87-90		12

521	Improved sorption of perfluorooctanoic acid on carbon nanotubes hybridized by metal oxide nanoparticles. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 15507-15517	5.1	17
520	Functionalized nanocarbon materials as catalysts for the ethanolysis of furfuryl alcohol. 2018 , 28, 93-95		5
519	Radical-Initiated and Thermally Induced Hydrogermylation of Alkenes on the Surfaces of Germanium Nanosheets. 2018 , 30, 2274-2280		21
518	Reactivity of solid residue from hydrothermal liquefaction of diatom in oxidizing atmosphere. 2018 , 90, 68-78		4
517	Preparation of rice straw-derived biochar for efficient cadmium removal by modification of oxygen-containing functional groups. <i>Science of the Total Environment</i> , 2018 , 631-632, 795-802	10.2	82
516	Response to Comment on "Redox-Active Oxygen-Containing Functional Groups in Activated Carbon Facilitate Microbial Reduction of Ferrihydrite". 2018 , 52, 4487-4488		1
515	Highly efficient heavy-metal extraction from water with carboxylated graphene nanoflakes.. 2018 , 8, 11043-11050		18
514	Growing Cu ₂ S Thin Films by Exposing a Copper Substrate to Gas-Phase Products of Brown Coal Hydrothermal Desulfurization. 2018 , 92, 164-171		1
513	Metal nanoparticles by doping carbon nanotubes improved the sorption of perfluorooctanoic acid. <i>Journal of Hazardous Materials</i> , 2018 , 351, 206-214	12.8	31
512	Investigation of rice husk derived activated carbon for removal of nitrate contamination from water. <i>Science of the Total Environment</i> , 2018 , 630, 1237-1245	10.2	65
511	Catalytic performance of ordered mesoporous carbons modified with lanthanides in dry methane reforming. 2018 , 301, 204-216		23
510	Adsorption mechanism of 2,4-dichlorophenoxyacetic acid onto nitric-acid-modified activated carbon fiber. 2018 , 39, 895-906		19
509	Surface characteristics of KOH-treated commercial carbons applied for CO ₂ adsorption. 2018 , 36, 478-492		25
508	Behaviors and kinetics of toluene adsorption-desorption on activated carbons with varying pore structure. 2018 , 67, 104-114		88
507	Microwave-assisted preparation of nitrogen-doped biochars by ammonium acetate activation for adsorption of acid red 18. 2018 , 433, 222-231		68
506	Esterification of levulinic acid with ethanol catalyzed by sulfonated carbon catalysts: Promotional effects of additional functional groups. 2018 , 314, 62-69		36
505	Microwave assisted modification of activated carbons by organic acid ammoniums activation for enhanced adsorption of acid red 18. 2018 , 323, 230-237		39
504	Comparative study for microcystin-LR sorption onto biochars produced from various plant- and animal-wastes at different pyrolysis temperatures: Influencing mechanisms of biochar properties. 2018 , 247, 794-803		36

503	Form-stable phase change material based on Na ₂ CO ₃ ·10H ₂ O-Na ₂ HPO ₄ ·2H ₂ O eutectic hydrated salt/expanded graphite oxide composite: The influence of chemical structures of expanded graphite oxide. 2018 , 115, 734-740		73
502	Synthesis and characterization of an iron-impregnated biochar for aqueous arsenic removal. <i>Science of the Total Environment</i> , 2018 , 612, 1177-1186	10.2	131
501	Propane oxidation by vanadium supported on activated carbon from sugarcane straw. 2018 , 458, 317-325		9
500	Tailored metallacarboranes as mediators for boosting the stability of carbon-based aqueous supercapacitors. 2018 , 2, 345-352		13
499	New strategy to prepare ultramicroporous carbon by ionic activation for superior CO ₂ capture. <i>Chemical Engineering Journal</i> , 2018 , 337, 290-299	14.7	37
498	Phosphorus functionalization for the rapid preparation of highly nanoporous submicron-diameter carbon fibers by electrospinning of lignin solutions. 2018 , 6, 1219-1233		68
497	High-temperature stability of Au/Pd/Cu and Au/Pd(P)/Cu surface finishes. 2018 , 434, 1353-1360		12
496	Preparation of biochar from <i>Enteromorpha prolifera</i> and its use for the removal of polycyclic aromatic hydrocarbons (PAHs) from aqueous solution. 2018 , 149, 80-87		56
495	Preparation of carbon coated Fe ₃ O ₄ nanoparticles for magnetic separation of uranium. 2018 , 75, 14-20		16
494	Adsorption Properties of Rice Hull Charcoal for Cesium and Strontium in Aqueous Solution. 2018 , 67, 898-903		3
493	10. Sorbents Based on Carbon Nanotubes. 2018 , 343-388		1
492	Hydrochars based on cigarette butts as a recycled material for the adsorption of pollutants. 2018 , 6, 7054-7061		21
491	Physicochemical Properties of Activated Carbon: Their Effect on the Adsorption of Pharmaceutical Compounds and Adsorbate-Adsorbent Interactions. 2018 , 4, 62		33
490	Oxidative dehydrogenation of ethylbenzene on nanocarbon: Kinetics and reaction mechanism. <i>Journal of Catalysis</i> , 2018 , 368, 1-7	7.3	20
489	Crucial role for oxygen functional groups in the oxygen reduction reaction electrocatalytic activity of nitrogen-doped carbons. <i>Electrochimica Acta</i> , 2018 , 292, 942-950	6.7	33
488	Removal of lead(II) from aqueous solution using date seed-derived biochar: batch and column studies. 2018 , 8, 1		42
487	Divergent mechanisms for thermal reduction of graphene oxide and their highly different ion affinities. 2018 , 89, 246-256		31
486	Preparation, characterization, and application of TiO ₂ /Carbon composite: Adsorption, desorption and photocatalysis of Gd-DOTA. 2018 , 120, 195-205		5

485	Adsorption of ionic liquids onto an activated carbon: kinetic modeling studies. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 32112-32121	5.1	
484	Experimental Study on Mercury Adsorption and Adsorbent Regeneration of Sulfur-Loaded Activated Carbon. <i>Energy & Fuels</i> , 2018 , 32, 11023-11029	4.1	33
483	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
482	Removal of toluene from waste gas by adsorption-desorption process using corncob-based activated carbons as adsorbents. 2018 , 165, 115-125		39
481	Utilizaçã de carvão ativado de dendrão natural e funcionalizado em meio aquoso na adsorçã de paracetamol. 2018 , 23,		1
480	On-line Redox Derivatization Liquid Chromatography Using a Carbon Monolithic Column. 2018 , 67, 469-478		
479	Enhancing the barrier properties of a fluorocarbon plasma-deposited coating by producing an Interface of amorphous oxide layer on 316L stainless steel for stent applications. 2018 , 347, 209-216		3
478	The polymerization reaction of cyclic siloxanes on a hard disk under static conditions. 2018 , 24, 4519-4525		
477	Role of dispersant on soot-induced wear in Cummins ISB engine test. <i>Carbon</i> , 2018 , 136, 395-408	10.4	11
476	Role of optimization parameters in the production of nanoporous carbon from mandarin shells by microwave-assisted chemical activation and utilization as dye adsorbent. 2018 , 29, 2108-2118		19
475	Date stone based activated carbon/graphite electrode for catechol analysis: physico-chemical properties and application in beverage samples. 2018 , 42, 13285-13296		4
474	Contrasting effects of operating conditions and biomass particle size on bulk characteristics and surface chemistry of rice husk derived-biochars. 2018 , 134, 281-292		48
473	Insight into the significant roles of microstructures and functional groups on carbonaceous surfaces for acetone adsorption.. 2018 , 8, 21541-21550		13
472	Feasibility Assessment of Chromium Removal from Groundwater for Drinking Purposes by Sorption on Granular Activated Carbon and Strong Base Anion Exchange. 2018 , 229, 1		3
471	Effect of Functionalized Carbon Nanotubes and their Citric Acid Polymerization on Mesenchymal Stem Cells In Vitro. 2018 , 2018, 1-12		7
470	Water Depollution Using Activated Carbons from Aerogels and Bones. 2018 , 183-226		
469	Nanocomposites Based on Thermosetting Polyurethane Matrix and Chemically Modified Multiwalled Carbon Nanotubes. 2018 , 115-148		
468	Vine Shoots and Grape Stalks as Carbon Sources for Hydrogen Evolution Reaction Electrocatalyst Supports. <i>Catalysts</i> , 2018 , 8, 50	4	6

467	Factors Influencing NO _x Adsorption/Reduction on Microporous Activated Carbon: Porosity vs. Surface Chemistry. 2018 , 11,			14
466	Removal of Chloramphenicol from Aqueous Solution Using Low-Cost Activated Carbon Prepared from <i>Typha orientalis</i> . 2018 , 10, 351			17
465	Surface modification of activated carbon for adsorption of SO ₂ and NO _x : A review of existing and emerging technologies. 2018 , 94, 1067-1085			94
464	Highly stable adsorptive and covalent immobilization of <i>Thermomyces lanuginosus</i> lipase on tailor-made porous carbon material. 2018 , 138, 63-73			21
463	Progress in graphene-based materials as superior media for sensing, sorption, and separation of gaseous pollutants. 2018 , 368, 93-114			44
462	Kinetics of Oxidation of Composite Materials Based on Discrete Carbon Fibers. 2018 , 58, 630-633			1
461	Modified graphene-based materials as effective catalysts for transesterification of rapeseed oil to biodiesel fuel. 2018 , 39, 1633-1645			27
460	Schwefel-Spillover auf Kohlenstoffmaterialien und mögliche Einflüsse auf Metall-Schwefel-Batterien. 2018 , 130, 13855-13859			0
459	Characterization and adsorption capacity of potassium permanganate used to modify activated carbon filter media for indoor formaldehyde removal. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 28525-28545	5.1		19
458	Sulfur Spillover on Carbon Materials and Possible Impacts on Metal-Sulfur Batteries. 2018 , 57, 13666-13670			22
457	Production of hydrocarbons from biomass-derived biochar assisted microwave catalytic pyrolysis. 2018 , 2, 1781-1790			25
456	Preparation of photodynamic P(MMA-co-MAA) composite nanofibers doped with MMT: A facile method for increasing antimicrobial efficiency. 2018 , 457, 247-255			27
455	Reductant free synthesis of silver-carbon nanocomposite using low temperature carbonized <i>Ipomoea carnea</i> stem carbon and study of its antibacterial property. 2018 , 6, 4226-4235			5
454	Performance of water gas shift reaction catalysts: A review. 2018 , 93, 549-565			154
453	Desulfurization of Brown Coal in Water under Supercritical Conditions. 2018 , 52, 143-152			1
452	Operating conditions-induced changes in product yield and characteristics during thermal-conversion of peanut shell to biochar in relation to economic analysis. 2018 , 193, 479-490			34
451	Application of carbon nanotubes in extraction and chromatographic analysis: A review. 2019 , 12, 633-651			57
450	Biochar stability assessment methods: A review. <i>Science of the Total Environment</i> , 2019 , 647, 210-222	10.2		189

449	Degradation of metronidazole antibiotic in aqueous medium using activated carbon as a persulfate activator. 2019 , 210, 145-151		56
448	Mercury removal mechanism of AC prepared by one-step activation with ZnCl ₂ . 2019 , 235, 326-335		62
447	High-performance pseudocapacitors from kraft lignin modified active carbon. <i>Electrochimica Acta</i> , 2019 , 320, 134640	6.7	15
446	A role of the microtextural and surface chemical heterogeneities of porous carbons for the adsorption of CO ₂ , CO and N ₂ . 2019 , 29, 553-566		0
445	Surface Recognition Directed Selective Removal of Dyes from Aqueous Solution on Hydrophilic Functionalized Petroleum Coke Sorbents. A Supramolecular Perspective. 2019 , 58, 14761-14774		4
444	Effect of black carbon on sorption and desorption of phosphorus onto sediments. 2019 , 146, 435-441		8
443	Low temperature sulfonation of acai stone biomass derived carbons as acid catalysts for esterification reactions. 2019 , 196, 821-830		32
442	Colombian metallurgical coke as catalysts support of the direct coal liquefaction. 2019 , 255, 115748		3
441	Synthesis, characterization, kinetic drug release and anticancer activity of bisphosphonates multi-walled carbon nanotube conjugates. 2019 , 104, 109967		12
440	A new insight into SO ₂ low-temperature catalytic oxidation in porous carbon materials: non-dissociated O ₂ molecule as oxidant. 2019 , 9, 4327-4338		9
439	About the Role of Porosity and Surface Chemistry of Phosphorus-Containing Activated Carbons in the Removal of Micropollutants. 2019 , 6,		12
438	Cu, Zn-embedded MOF-derived bimetallic porous carbon for adsorption desulfurization. <i>Chemical Engineering Journal</i> , 2019 , 378, 122106	14.7	37
437	Adsorption of Phenol from Aqueous Solutions by Bael Fruit Shell Activated Carbon: Kinetic, Equilibrium, and Mass Transfer Studies. 2019 , 53, 122-131		7
436	Functionalized coconut husks for rhodamine-B dye sequestration. 2019 , 9, 1		22
435	Prospective Application of Palm Oil Mill Boiler Ash as a Biosorbent: Effect of Microwave Irradiation and Palm Oil Mill Effluent Decolorization by Adsorption. 2019 , 16,		4
434	Surface modification effect of carbon molecular sieve (CMS) on the morphology and separation performance of mixed matrix membranes. 2019 , 80, 106152		7
433	Biochar-Assisted Water Electrolysis. <i>Energy & Fuels</i> , 2019 , 33, 11246-11252	4.1	9
432	Study of the adsorption properties of molded carbon sorbents in relation to organic dyes in model conditions. 2019 ,		1

431	Use of <i>Salvinia</i> sp on the adsorption of hexavalent chromium. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 30463-30471	5.1	1
430	Effect of pyrolysis on basic functional groups of hydrochars. 2019 , 11, 1117		2
429	A laser-fabricated nanometer-thick carbon film and its strain-engineering for achieving ultrahigh piezoresistive sensitivity. 2019 , 7, 11276-11284		7
428	Influence of the physicochemical properties of carbon black of different grades on moisture absorption. 2019 ,		2
427	Value of Functionalized Charcoal for Increasing the Efficiency of Urea N Uptake: Insights into the Functionalization Process and the Physicochemical Characteristics of Charcoal. 2019 , 43,		
426	Structural Characterization of Graphene Oxide: Surface Functional Groups and Fractionated Oxidative Debris. 2019 , 9,		135
425	Impact of pyrone group on HS catalytic oxidization. <i>Science of the Total Environment</i> , 2019 , 695, 133875	10.2	2
424	Identifying the best materials for the removal of airborne toluene based on performance metrics - A critical review. 2019 , 241, 118408		44
423	Synthesis of 5-hydroxymethylfurfural from highly concentrated aqueous fructose solutions using activated carbon. 2019 , 486, 107826		17
422	Synergistic effect of hydrothermal co-carbonization of sewage sludge with fruit and agricultural wastes on hydrochar fuel quality and combustion behavior. 2019 , 100, 171-181		46
421	Biochar efficiency in copper removal from Haplic soils. 2019 , 16, 4899-4912		23
420	A simple method for enhancing the catalytic activity of Pd deposited on carbon nanotubes used in direct formic acid fuel cells. 2019 , 476, 806-814		17
419	Molecularly defined graphitic interface toward proton manipulation. 2019 , 17, 158-166		2
418	Thermodynamic study of adsorption of nickel ions onto carbon aerogels. 2019 , 5, e01789		9
417	Probing the Surface Reactivity of Pyrogenic Carbonaceous Material (PCM) through Synthesis of PCM-Like Conjugated Microporous Polymers. 2019 , 53, 7673-7682		7
416	Strategies to Enhance the Performance of Electrochemical Capacitors Based on Carbon Materials. 2019 , 6,		39
415	Nitrogen Oxide Removal by Coal-Based Activated Carbon for a Marine Diesel Engine. 2019 , 9, 1656		5
414	Improved adsorption performance of activated carbon covalently functionalised with sulphur-containing ligands in the removal of cadmium from aqueous solutions. 2019 , 16, 7921-7932		8

413	Study on the effects of oxygen-containing functional groups on Hg adsorption in simulated flue gas by XAFS and XPS analysis. <i>Journal of Hazardous Materials</i> , 2019 , 376, 21-28	12.8	33
412	Co-transport of Pb(II) and oxygen-content-controllable graphene oxide from electron-beam-irradiated graphite in saturated porous media. <i>Journal of Hazardous Materials</i> , 2019 , 375, 297-304	12.8	10
411	Natural Products in Adsorption Technology. 2019 , 397-441		1
410	Adsorption of hydrogen sulfide, carbon dioxide, methane, and their mixtures on activated carbon. <i>Chemical Engineering Communications</i> , 2019 , 206, 1533-1553	2.2	12
409	Driving forces and barriers in the removal of phosphorus from water using crop residue, wood and sewage sludge derived biochars. <i>Science of the Total Environment</i> , 2019 , 675, 623-631	10.2	27
408	Polyelectrolyte stabilized nanodiamond dispersions. 2019 , 95, 185-194		8
407	Biomass-based composite catalysts for catalytic wet peroxide oxidation of bisphenol A: Preparation and characterization studies. 2019 , 7, 103127		4
406	Soluble Cello-Oligosaccharides Produced by Carbon-Catalyzed Hydrolysis of Cellulose. 2019 , 12, 2576-2580		22
405	Valorization of Mining Waste in the Synthesis of Organofunctionalized Aluminosilicates for the Esterification of Waste from Palm Oil Deodorization. 2019 , 7, 7543-7551		11
404	De-intercalation of the intercalated potassium in the preparation of activated carbons by KOH activation. 2019 , 189, 74-79		11
403	Effect of mesoporous carbon support nature and pretreatments on palladium loading, dispersion and apparent catalytic activity in hydrogenation of myrcene. <i>Journal of Catalysis</i> , 2019 , 372, 226-244	7.3	16
402	Powdered activated carbon enhanced Manganese(II) removal by chlorine oxidation. 2019 , 156, 287-296		20
401	Biodiesel production from esterification of oleic acid by a sulfonated magnetic solid acid catalyst. 2019 , 139, 688-695		35
400	Synthesis of activated carbons derived from avocado shells as cathode materials for lithium sulfur batteries. 2019 , 1, 1		11
399	A new insight into the SO adsorption behavior of oxidized carbon materials using model adsorbents and DFT calculations. 2019 , 21, 9181-9188		24
398	Atomic Cu on nanodiamond-based sp ² /sp ³ hybrid nanostructures for selective hydrogenation of phenylacetylene. 2019 , 723, 39-43		4
397	Carbons from Biomass for Electrochemical Capacitors. 2019 , 153-184		2
396	Surface Properties of Synthesized Nanoporous Carbon and Silica Matrices. 2019 ,		1

395	The effect of biochar mild air oxidation on the optimization of lead(II) adsorption from wastewater. 2019 , 240, 404-420		50
394	Synthesis and characterization of high-quality activated carbons from hard-shelled agricultural wastes mixture by zinc chloride activation. <i>Chemical Engineering Communications</i> , 2019 , 206, 888-897	2.2	13
393	Roles of Oxygen Functional Groups in Hydrogen Sulfide Adsorption on Activated Carbon Surface: A Density Functional Study. 2019 , 58, 5526-5532		7
392	Biochar impacts on sorption-desorption of oxytetracycline and florfenicol in an alkaline farmland soil as affected by field ageing. <i>Science of the Total Environment</i> , 2019 , 671, 928-936	10.2	24
391	Determining organo-chemical composition of sugarcane bagasse-derived biochar as a function of pyrolysis temperature using proximate and Fourier transform infrared analyses. 2019 , 138, 331-342		17
390	Quantitative Measurement of Functional Groups on Nanocarbon Allotropes Surface by Boehm Titration. 2019 , 7,		1
389	The Function of Surface Hydroxyl Groups of Incorporated Alumina on Catalytic Ozonation of Heavy Oil Produced Water. 2019 , 41, 521-530		1
388	Mechanisms of Methylparaben Adsorption onto Activated Carbons: Removal Tests Supported by a Calorimetric Study of the Adsorbent?Adsorbate Interactions. 2019 , 24,		21
387	Functionalization, Modification, and Characterization of Carbon Nanofibers. 2019 , 75-137		2
386	Current Progress on the Surface Chemical Modification of Carbonaceous Materials. 2019 , 9, 103		37
385	The direct-current characteristics and surface repairing of a hydrogen-terminated free-standing polycrystalline diamond in aqueous solutions. 2019 , 130, 111-119		9
384	Micro-milling super-fine powdered activated carbon decreases adsorption capacity by introducing oxygen/hydrogen-containing functional groups on carbon surface from water. 2019 , 155, 66-75		13
383	From waste biomass to chemicals and energy via microwave-assisted processes. <i>Green Chemistry</i> , 2019 , 21, 1202-1235	10	70
382	Facile Synthesis of Carboxylated Activated Carbon Using Green Approach for Water Treatment. 2019 , 578, 012003		3
381	Investigation of sulfuric acid-treated activated carbon properties. 2019 , 43, 663-675		11
380	Rice Hull Charcoal for Adsorption of Cesium and Strontium in Aqueous Solution. 2019 , 60, 458-463		3
379	Catalytic oxidative desulfurization of a 4,6-DMDBT containing model fuel by metal-free activated carbons: the key role of surface chemistry. <i>Green Chemistry</i> , 2019 , 21, 6685-6698	10	33
378	Electricity production characterization of a Sediment Microbial Fuel Cell using different thermo-treated flat carbon cloth electrodes. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 32192-32200	6.7	12

377	Kinetics, Isotherms and Thermodynamic Modeling of Liquid Phase Adsorption of Crystal Violet Dye onto Shrimp-Waste in Its Raw, Pyrolyzed Material and Activated Charcoals. 2019 , 9, 5337		12
376	Parabens Adsorption onto Activated Carbon: Relation with Chemical and Structural Properties. 2019 , 24,		9
375	Cellulose hydrolysis catalysed by mesoporous activated carbons functionalized under mild conditions. 2019 , 1, 1		6
374	Review of oxidant resistant coating on graphite substrate of HTR fuel element. 2019 , 26, 2915-2929		1
373	Scalable synthesis of gyroid-inspired freestanding three-dimensional graphene architectures. 2019 , 1, 3870-3882		11
372	A comprehensive review on physical activation of biochar for energy and environmental applications. 2019 , 35, 735-776		89
371	Chemical activation of biochar for energy and environmental applications: a comprehensive review. 2019 , 35, 777-815		65
370	Synthesis of novel waste batteries-sawdust-based adsorbent via a two-stage activation method for Pb removal. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 4730-4745	5.1	3
369	Bioattenuation of phenol and cyanide involving immobilised spent tea activated carbon with <i>Alcaligenes faecalis</i> JF339228: Critical assessment of the degraded intermediates. 2019 , 14, e2278		6
368	Enhancement of NH ₃ and water adsorption by introducing electron-withdrawing groups with maintenance of pore structures. 2019 , 25, 87-94		3
367	Influence of pH and grain size on physicochemical properties of biochar and released humic substances. 2019 , 240, 334-338		13
366	Harmful weed to prospective adsorbent: low-temperature-carbonized <i>Ipomoea carnea</i> stem carbon coated with aluminum oxyhydroxide nanoparticles for defluoridation. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 721-737	5.1	5
365	Hyaluronic acid conjugated multi-walled carbon nanotubes for colon cancer targeting. 2019 , 123, 691-703		48
364	Unraveling the light-induced degradation mechanism of CH ₃ NH ₃ PbI ₃ perovskite films. 2019 , 67, 19-25		26
363	On the growth of argon clusters on a weak adsorbent decorated with patches. 2019 , 537, 431-440		2
362	The kinetic studies of gold(III) chloride complex adsorption mechanism from an aqueous and semi-aqueous system. 2019 , 278, 43-52		4
361	Study on the adsorption performance and competitive mechanism for heavy metal contaminants removal using novel multi-pore activated carbons derived from recyclable long-root <i>Eichhornia crassipes</i> . 2019 , 276, 211-218		45
360	Synthesis of biochar from chili seeds and its application to remove ibuprofen from water. Equilibrium and 3D modeling. <i>Science of the Total Environment</i> , 2019 , 655, 1397-1408	10.2	35

359	Colloidal stability and aggregation kinetics of biochar colloids: Effects of pyrolysis temperature, cation type, and humic acid concentrations. <i>Science of the Total Environment</i> , 2019 , 658, 1306-1315	10.2	47
358	Glassy carbon electrode activation [A way towards highly active, reproducible and stable electrode surface. <i>Electrochimica Acta</i> , 2019 , 299, 963-970	6.7	16
357	Fabrication and characterisation of a Fe ₃ O ₄ /Raphia farinifera nanocomposite for application in heavy metal adsorption. 2019 , 13, 11-29		11
356	Development of Direct Methanol Fuel Cell Catalyst Using Marimo Nano Carbon. 2019 , 149, 1-6		10
355	Valuable polar moieties on cereal-derived biochars. 2019 , 561, 275-282		6
354	Adsorption kinetics of methylene blue using alkali and microwave-modified apricot stones. 2019 , 54, 1722-1738		12
353	Significant improvement of the thermal stability and electrochemical corrosion resistance of the Au/Pd surface finish through catalytic modification. 2019 , 146, 112-120		4
352	Effect of impregnated activated carbon on carbon dioxide adsorption performance for biohydrogen purification. 2019 , 6, 015510		2
351	Mesoporous Carbon-Based Composites for Adsorption of Heavy Metals. 2019 , 63-102		3
350	A review on recent advances in hybrid supercapacitors: Design, fabrication and applications. 2019 , 101, 123-145		566
349	New use for spent coffee ground as an adsorbent for tetracycline removal in water. 2019 , 215, 163-172		71
348	Hydrogen cold plasma for the effective reduction of graphene oxide. 2019 , 464, 673-681		13
347	Stabilized landfill leachate treatment using Guadua amplexifolia bamboo as a source of activated carbon: kinetics study. 2019 , 40, 768-783		5
346	Effects of oxidized/treated non-metallic fillers obtained from waste printed circuit boards on mechanical properties and shrinkage of unsaturated polyester-based composites. <i>Polymer Composites</i> , 2019 , 40, 1170-1186	3	10
345	Impact of activation on properties of carbon-based solid acid catalysts for the hydrothermal conversion of xylose and hemicelluloses. 2019 , 319, 31-40		33
344	Electrochemical Capacitors Based on Electrodes Made of Lignocellulosic Waste Materials. 2020 , 11, 3863-3871		11
343	Optimal generation number in magnetic-cored dendrimers as Pb(II) and Cd(II) adsorbents. 2020 , 41, 3412-3419		1
342	Styrene oxidation catalyzed by copper(II) C-scorpionates in homogenous medium and immobilized on sucrose derived hydrochars. 2020 , 357, 56-63		9

341	Role of surface defects of carbon nanotubes on catalytic performance of barium promoted ruthenium catalyst for ammonia synthesis. 2020 , 41, 79-86	23
340	Laccase-Carbon nanotube nanocomposites for enhancing dyes removal. 2020 , 242, 118425	36
339	Composition, structure and potential energy application of nitrogen doped carbon cryogels. 2020 , 239, 122120	5
338	Structure and activity of activated carbon functionalized with maleic anhydride by diels-alder reaction. 2020 , 357, 409-415	3
337	Electroactive composites: PANI electrochemical synthesis with GO and rGO for structural carbon fiber coating. 2020 , 138, 105399	7
336	Modeling and optimization of process parameters in elucidating the adsorption mechanism of Gallic acid on activated carbon prepared from date stones. 2020 , 55, 3113-3125	7
335	Activity and stability of biochar in hydrogen peroxide based oxidation system for degradation of naphthenic acid. 2020 , 241, 125007	13
334	Utilization of carbon dioxide onto activated carbon fibers for surface modification. 2020 , 30, 99-105	3
333	Adsorption of tetracycline in aqueous solution by biochar derived from waste Auricularia auricula dregs. 2020 , 238, 124432	75
332	Adsorption of Triton X-100 in aqueous solution on activated carbon obtained from waste tires for wastewater decontamination. 2020 , 26, 303-316	7
331	Understanding the characteristics of water adsorption in zeolitic imidazolate framework-derived porous carbon materials. <i>Chemical Engineering Journal</i> , 2020 , 379, 122412	14.7 15
330	Efficient Microwave-Assisted Hydrolysis of Microcrystalline Cellulose into Glucose Using New Carbon-Based Solid Catalysts. 2020 , 150, 138-149	6
329	Efficient adsorption of pharmaceutical drugs from aqueous solution using a mesoporous activated carbon. 2020 , 26, 251-266	20
328	Lead recovery from aqueous environment by using porous carbon of citrus fruits waste: equilibrium, kinetics and thermodynamic studies. 2020 , 55, 2699-2712	5
327	New insights into oxygen surface coverage and the resulting two-component structure of graphene oxide. <i>Carbon</i> , 2020 , 158, 406-417	10.4 2
326	High performing CMS adsorbent for O ₂ / N ₂ separation. 2020 , 296, 109989	6
325	DETERMINATION OF THE SURFACE FUNCTIONALITY OF NANOCARBON ALLOTROPES BY BOEHM TITRATION. 2020 , 27, 1950190	1
324	Decomplexation of Cu(II)-natural organic matter complex by non-thermal plasma oxidation: Process and mechanisms. <i>Journal of Hazardous Materials</i> , 2020 , 389, 121828	12.8 12

323	Application of Response Surface Methodology for the Optimization of Copper Removal from Aqueous Solution by Activated Carbon Prepared Using Waste Polyurethane. 2020 , 53, 1343-1365		12
322	Application of heterogeneous acid catalyst derived from biomass for biodiesel process intensification: a comprehensive review. 2020 , 87-109		5
321	In-situ electrochemical functionalization of carbon materials for high-performance LiD2 batteries. 2020 , 48, 7-13		4
320	Sustainable production of nanoporous carbons: Kinetics and equilibrium studies in the removal of atrazine. 2020 , 562, 252-267		13
319	Carboxyl-rich carbon nanocomposite based on natural diatomite as adsorbent for efficient removal of Cr (VI). 2020 , 9, 948-959		10
318	Determining the key factors of nonradical pathway in activation of persulfate by metal-biochar nanocomposites for bisphenol A degradation. <i>Chemical Engineering Journal</i> , 2020 , 391, 123555	14.7	24
317	Equilibrium, kinetics and thermodynamics of lead (II) adsorption in bioadsorbent composed by Caryocar coriaceum Wittm barks. 2020 , 261, 128144		11
316	Synthesis and catalytic evaluation of acidic carbons in the etherification of glycerol obtained from biodiesel production. 2020 ,		5
315	Batch adsorption of methylene blue dye using Enterolobium contortisiliquum as bioadsorbent: Experimental, mathematical modeling and simulation. 2020 , 91, 362-371		11
314	Physical properties and microstructures of residual carbon and slag particles present in fine slag from entrained-flow coal gasification. 2020 , 31, 3781-3789		9
313	Oxygen-promoted hydrogen adsorption on activated and hybrid carbon materials. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 30767-30782	6.7	9
312	A review on the influence of chemical modification on the performance of adsorbents. 2020 , 1, 100001		14
311	Understanding the Influence of Surface Oxygen Groups on the Electrochemical Behavior of Porous Carbons as Anodes for Lithium-Ion Batteries. 2020 , 12, 36054-36065		4
310	Bioremediation and Biotechnology, Vol 3. 2020 ,		2
309	Catalytic decomposition of organic/inorganic peroxides via 1-3D carbon matrices: empirical and quantum-chemical study. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020 , 131, 583-597	1.6	0
308	Study of CO Adsorption on Chemically Modified Activated Carbon With Nitric Acid and Ammonium Aqueous. 2020 , 8, 543452		10
307	Assessing the Effects of Biochar on the Immobilization of Trace Elements and Plant Development in a Naturally Contaminated Soil. 2020 , 12, 6025		11
306	Temperature Effect on Pretreatment of the Activated Carbon Support (Pt/AC and Pd/AC) for Glycerin into Lactic Acid. 2020 , 59, 14643-14657		7

305	Use of activated carbon obtained from sugarcane straw for PAH adsorption - a comparative study with commercial materials. 2020 , 1-15		2
304	Removal of Antibiotics from Aqueous Solutions by a Carbon Adsorbent Derived from Protein-Waste-Doped Biomass. <i>ACS Omega</i> , 2020 , 5, 19187-19193	3.9	16
303	Enhanced adsorption of copper ions by phosphoric acid-modified Paeonia ostii seed coats. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 43906-43916	5.1	2
302	Recycling of carbon fiber composites in carbon-bonded alumina refractories. 2020 , 46, 12574-12583		2
301	Emulsified oil separation by bioadsorption: a sustainable proposal. 2020 , 1-13		
300	Sulfonated CMK-3: an effective catalyst for the glucose conversion to butyl levulinate as the fuel additive. 2020 , 1		2
299	Nano-carriers effects on the viability and efficiency of strains as phosphate solubilizing bacteria. 2020 , 6, e05076		5
298	Experimental and Computational Evaluation of Heavy Metal Cation Adsorption for Molecular Design of Hydrothermal Char. 2020 , 13, 4203		3
297	Effect of Oxygen for Enhancing the Gas Storage Performance of Activated Green Carbon. 2020 , 13, 3893		1
296	Synthesis and characterization of a novel activated carbon-supported cobalt catalyst from biomass mixture for tetracycline degradation via persulfate activation. 2020 , 1		2
295	Hydrogenation of Furfural to Furfuryl Alcohol over Ru Particles Supported on Mildly Oxidized Biochar. <i>Catalysts</i> , 2020 , 10, 934	4	7
294	Twigs-derived activated carbons via HPO/ZnCl composite activation for methylene blue and congo red dyes removal. 2020 , 10, 14050		13
293	Ceramic membrane-based ultrafiltration combined with adsorption by waste derived biochar for textile effluent treatment and management of spent biochar. 2020 , 18, 973-992		3
292	Activated carbons from coffee husk: Preparation, characterization, and reactive red 195 adsorption. 2020 , 174751982097046		3
291	The processing of kieselguhr sludge with obtaining a new end product as reserve for reducing resources consumption of vegetable oil manufacture. 2020 , 791, 012075		1
290	The Importance of Evaluating the Lot-to-Lot Batch Consistency of Commercial Multi-Walled Carbon Nanotube Products. 2020 , 10,		3
289	Effect of surface oxygen groups in the electrochemical modification of multi-walled carbon nanotubes by 4-amino phenyl phosphonic acid. <i>Carbon</i> , 2020 , 165, 328-339	10.4	7
288	Babassu activated carbon as catalyst for chalcone production by Claisen-Schmidt reaction: kinetic study, mechanism proposal and continuous flow bed reactor. 2020 , 37, 415-423		1

- 287 Removal of Organic Substances, Nitrogen and Anion Surface Active Agent in Wastewater by the Bamboo Charcoal. **2020**, 30, 11-15
- 286 Amorphous carbon having higher catalytic activity toward oxygen reduction reaction: Quinone and carboxy groups introduced onto its surface. **2020**, 107, 107900 4
- 285 Effects of citrus peel biochar on anaerobic co-digestion of food waste and sewage sludge and its direct interspecies electron transfer pathway study. *Chemical Engineering Journal*, **2020**, 398, 125643 14.7 32
- 284 Apricot Kernel shell waste treated with phosphoric acid used as a green, metal-free catalyst for hydrogen generation from hydrolysis of sodium borohydride. *International Journal of Hydrogen Energy*, **2020**, 45, 17104-17117 6.7 15
- 283 Zinc chloride activation of carob shells for heavy metals removal from water: statistical optimisation, characterisation and isotherm modelling. **2020**, 1-14
- 282 Diclofenac sorption from synthetic water: Kinetic and thermodynamic analysis. **2020**, 8, 104105 13
- 281 Improved anaerobic digestion efficiency of high-solid sewage sludge by enhanced direct interspecies electron transfer with activated carbon mediator. **2020**, 313, 123648 14
- 280 Synthesis and characterization of sulfonated carbon catalysts derived from biomass waste and its evaluation in glycerol acetylation. **2020**, 1 14
- 279 Activated carbon as catalyst support: precursors, preparation, modification and characterization. **2020**, 16, 1188-1202 27
- 278 Activated carbon obtained from amazonian biomass tailings (acai seed): Modification, characterization, and use for removal of metal ions from water. **2020**, 270, 110868 53
- 277 Yielding, thixotropy, and strain stiffening of aqueous carbon black suspensions. **2020**, 64, 955-968 7
- 276 Investigating the properties of humins foams, the porous carbonaceous materials derived from biorefinery by-products. **2020**, 20, 100622 5
- 275 Application of Boehm Titration for the Quantitative Measurement of Soot Oxygen Functional Groups. *Energy & Fuels*, **2020**, 34, 7363-7372 4.1 8
- 274 Chemical regeneration of granular activated carbon: preliminary evaluation of alternative regenerant solutions. **2020**, 6, 2043-2056 25
- 273 Removal of metal ions Cd(II), Cr(VI) and Ni(II) from aqueous solution using an organic aerogel and carbon aerogel obtained by acid catalysis. **2020**, 10, 127-139 5
- 272 A Comprehensive review on the hierarchical performances of eco-friendly and functionally advanced modified and recyclable carbon materials. **2020**, 17, 1521-1537 3
- 271 The ratio of H/C is a useful parameter to predict adsorption of the herbicide metolachlor to biochars. **2020**, 184, 109324 19
- 270 Green Carbon Material for Organic Contaminants Adsorption. **2020**, 36, 3141-3148 9

269	Microalgae: a sustainable adsorbent with high potential for upconcentration of indium(III) from liquid process and waste streams. <i>Green Chemistry</i> , 2020 , 22, 1985-1995	10	8
268	Synthesis of polyaniline/electrochemically exfoliated graphene composite as counter-electrode in dye-sensitized solar cell. 2020 , 59, 1370-1378		2
267	Surface oxidized and un-oxidized activated carbon derived from Ziziphus jujube Stem, and its application in removal of Cd(II) and Pb(II) from aqueous media. 2020 , 2, 1		1
266	Influence of Aged Biochar Modified by Cd ²⁺ on Soil Properties and Microbial Community. 2020 , 12, 4868		5
265	Zinc chloride-activated glycerine pitch distillate for methylene blue removal- Isotherm, kinetics and thermodynamics. 2020 , 1		4
264	Recycling application of waste long-root Eichhornia crassipes in the heavy metal removal using oxidized biochar derived as adsorbents. 2020 , 314, 123749		14
263	Consistency of NVT, NPT, μ VT and Gibbs (NV2T and NPT) with kinetic Monte Carlo schemes. <i>Chemical Engineering Journal</i> , 2020 , 401, 126056	14.7	4
262	Unraveling the hydrolysis of β 1,4-glycosidic bonds in cello-oligosaccharides over carbon catalysts. 2020 , 10, 4593-4601		14
261	Determination of recovery rates of adsorbents for sampling very volatile organic compounds (CC) in dry and humid air in the sub-ppb range by use of thermal desorption gas chromatography-mass spectrometry. 2020 , 1626, 461389		4
260	Adsorción de Cd(II) y Pb(II) presentes en solución acuosa con hueso de nanche (Byrsonima crassifolia). 2020 , 49, 30-36		3
259	Synthesis of cellulose carbon aerogel via combined technology of wet ball-milling and TEMPO-mediated oxidation and its supersorption performance to ionic dyes. 2020 , 315, 123815		7
258	Gas adsorptive desulfurization of thiophene by spent coffee grounds-derived carbon optimized by response surface methodology: Isotherms and kinetics evaluation. 2020 , 8, 104036		3
257	Enhanced textile wastewater treatment by a novel biofilm carrier with adsorbed nutrients. 2020 , 24, 101527		6
256	Highly efficient catalytic adsorbents designed by an adaptation strategy for removal of elemental mercury. <i>Chemical Engineering Journal</i> , 2020 , 388, 124220	14.7	6
255	Mechanical Characterization of Methanol Plasma Treated Fluorocarbon Ultrathin Films Through Atomic Force Microscopy. 2020 , 6,		2
254	Determination of active sites during gasification of biomass char with CO ₂ using temperature-programmed desorption. Part 2: Influence of ash components. 2020 , 267, 117179		9
253	Carbon-Based Nanomaterials for Separation Media. 2020 , 93, 482-489		12
252	Deconvoluting the XPS spectra for nitrogen-doped chars: An analysis from first principles. <i>Carbon</i> , 2020 , 162, 528-544	10.4	95

251	The sludge-based adsorbent from oily sludge and sawdust: preparation and optimization. 2021 , 42, 3164-3177	2
250	Nitrate green removal by fixed-bed columns packed with waste biomass: Modelling and friction parameter estimation. 2020 , 154, 250-261	31
249	Rhodamine B dye sequestration using leaf powder. 2020 , 6, e02872	35
248	Rational production of highly acidic sulfonated carbons from kraft lignins employing a fractionation process combined with acid-assisted hydrothermal carbonization. 2020 , 303, 122882	13
247	Reductant atmospheres during slow pyrolysis of cellulose: First approach to obtaining efficient char-based catalysts in one pot. 2020 , 148, 104821	9
246	Adsorption of n-butylparaben from aqueous solution on surface of modified granular activated carbons prepared from African palm shell. Thermodynamic study of interactions. 2020 , 8, 103969	2
245	Etodolac adsorption onto activated carbon prepared by chemical activation and pyrolysis of biomasses mixture. 2020 , 10, 1153-1165	2
244	Development and characterisation of a nanostructured hybrid material with vitamin B12 and bagasse-derived activated carbon for anaerobic chlordecone (Kepone) removal. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 41122-41131	5.1 3
243	Adsorptive removal of anionic dyes by graphene impregnated with MnO ₂ from aqueous solution. 2020 , 595, 124667	11
242	Improvement of Bio-Oil and Nitrogen Recovery from Microalgae Using Two-Stage Hydrothermal Liquefaction with Solid Carbon and HCl Acid Catalysis. <i>ACS Omega</i> , 2020 , 5, 6684-6696	3.9 10
241	Molecular simulation of benzene adsorption on different activated carbon under different temperatures. 2020 , 302, 110220	18
240	Enhanced removal of organic pollutants from super heavy oil wastewater using specially modified lignite activated coke. 2020 , 6, 1606-1614	2
239	Characterization of Chemically Activated Carbons Prepared from Miscanthus and Switchgrass Biomass. 2020 , 13,	10
238	Kinetics of catalyzed esterification of acetic acid with n-butanol using carbonized agro-waste. 2020 , 52, 450-462	5
237	Rapid and accurate determination of carboxyl groups in carbon materials by headspace gas chromatography. 2020 , 1621, 461062	1
236	Using taurine to increase mesopores in Ce -based metal-organic framework for enhancing the production of 5-hydroxymethylfurfural and 5-ethoxymethylfurfural from fructose. 2021 , 96, 163-171	3
235	Naphthenic acid removal in model and real aviation kerosene mixture. <i>Chemical Engineering Communications</i> , 2021 , 208, 1405-1418	2.2 2
234	Preparation of blue- and green-emissive nitrogen-doped graphene quantum dots from graphite and their application in bioimaging. 2021 , 119, 111642	17

233	Microcystin-LR sorption and desorption by diverse biochars: Capabilities, and elucidating mechanisms from novel insights of sorption domains and site energy distribution. <i>Science of the Total Environment</i> , 2021 , 754, 141921	10.2	3
232	Removal of pyridine using ultrasound assisted and conventional batch adsorption based on tea waste residue as biosorbent. 2021 , 21, 101292		10
231	Experimental probing of effects of carbon support on bulk and local oxygen transport resistance in ultra-low Pt PEMFCs. 2021 , 164, 120549		11
230	Influence of the acid groups on activated carbon on the adsorption of bilirubin. 2021 , 260, 124133		4
229	Surface functional group investigation of oxidized, nanodiamond-derived carbon nano-onions. 2021 , 26, 101966		0
228	Activated carbon from peanut shells: 2,4-D desorption kinetics study for application as a green material for analytical purposes. 2021 , 9, 104601		5
227	Highly efficient MnOx/biochar catalysts obtained by air oxidation for low-temperature NH ₃ -SCR of NO. 2021 , 283, 119336		10
226	Understanding and Tuning the Electrical Conductivity of Activated Carbon: A State-of-the-Art Review. 2021 , 46, 1-37		20
225	Diclofenac removal in water supply by adsorption on composite low-cost material. 2021 , 42, 2095-2111		10
224	A chair-side plasma treatment system for rapidly enhancing the surface hydrophilicity of titanium dental implants in clinical operations. 2021 , 63, 334-340		0
223	Preparation and Characterization of Activated Carbon Derived from Sewage Sludge for Pollutant Removal from Wastewater. 2021 , 289-294		
222	Insight into the mechanism of boron-doping of carbon aerogel for enhancing the activity of low-temperature selective catalytic reduction of NO with NH ₃ . 2021 , 11, 2057-2072		2
221	Agricultural Waste as a Low-Cost Adsorbent. 2021 , 103-146		
220	Brewery spent grain: a potential biosorbent for hexavalent chromium. 2021 , 127, 127-134		1
219	Computer Simulation and Experimental Studies of Various Environmental Gases (NH ₃ , CH ₂ O, SO ₂ , H ₂ S, Benzene, Water) on Carbon Materials. 2021 , 79-111		1
218	Synthesis of graphene through electrochemical exfoliation technique in aqueous medium. 2021 , 44, 2695-2699		1
217	Fabrication, characterization, and adsorption applications of low-cost hybrid activated carbons from peanut shell-vinasse mixtures by one-step pyrolysis. 1		1
216	Effects of nitrogen-containing functional groups of reduced graphene oxide as a support for Pd in selective hydrogenation of cinnamaldehyde. 2021 , 47, 1429-1446		0

215	Solid waste sub-driven acidic mesoporous activated carbon structures for efficient uranium capture through the treatment of industrial phosphoric acid. 2021 , 21, 101363		6
214	Adsorption of Low-Concentration VOCs on Modified Activated Carbons in a Humid Atmosphere. <i>Energy & Fuels</i> , 2021 , 35, 5090-5100	4.1	2
213	Enhanced adsorptive removal of cationic and anionic dyes from aqueous solutions by olive stone activated carbon. 2020 , 23, 689-704		7
212	Practical and Sustainable Modification Method on Activated Carbon to Improve the Decolorization Process in the Acetaminophen Pharmaceutical Industry. <i>ACS Omega</i> , 2021 , 6, 5451-5462	3.9	1
211	Kinetics and isothermal evaluations of adsorptive desulfurization of dibenzothiophene over mixed bio-wastes derived activated carbon. 1-20		6
210	O ₂ -oxidation of individual graphite and graphene nanoparticles in the 1200-200 K range: Particle-to-particle variations and the evolution of the reaction rates and optical properties. <i>Carbon</i> , 2021 , 173, 286-300	10.4	1
209	Enhancement of the adsorption of bilirubin on activated carbon via modification. 2021 , 9, 100172		1
208	Potassium struvite (slow release fertilizer) and activated carbon production: Resource recovery from vinasse and grape marc organic waste using thermal processing. 2021 , 147, 1077-1087		5
207	Study of Mercury [Hg(II)] Adsorption from Aqueous Solution on Functionalized Activated Carbon. <i>ACS Omega</i> , 2021 , 6, 11849-11856	3.9	1
206	Use and Development of Biochar-Based Materials for Effective Capture and Reuse of Phosphorus. 2021 , 437-461		
205	Kinetic and thermodynamic study of copper (II) IONS biosorption by Caryocar Coriaceum Wittm bark. 2021 , 19, 100364		1
204	On the hydrothermal-enhanced synthesis of highly selective Mo ₂ C catalysts to fully deoxygenated products in the guaiacol HDO reaction. 2021 , 9, 105146		2
203	Methodology for the identification of carbonyl absorption maxima of carbon surface oxides in DRIFT spectra. 2021 , 3, 100020		1
202	Dibenzothiophene capture from model fuel by wild mustard stems derived activated carbon: kinetics and isothermal evaluations. 1-23		4
201	Fabrication of graphene-like structured solid acid catalysts and their application in the saccharification of cellulose. 2021 , 29, 944-949		0
200	Saccharification of cellulose using biomass-derived activated carbon-based solid acid catalysts. 2021 , 215, 106738		10
199	Modified Shell Carbon with Enhanced Performance for the Adsorption of Cooking Fumes. 2021 , 11,		1
198	Carbon Substrates for Flexible Supercapacitors and Energy Storage Applications. 2021 , 95-141		1

197	Functionalized Carbon Nanotubes (CNTs) for Water and Wastewater Treatment: Preparation to Application. 2021 , 13, 5717		19
196	Preparation, characterization, and application of a homemade graphene for the removal of Congo red from aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 52174-52187	5.1	2
195	Self-Photoluminescence of Unzipped Multi-Walled Carbon Nanotubes. 2021 , 11,		
194	Efficient removal and recovery of uranium from industrial radioactive wastewaters using functionalized activated carbon powder derived from zirconium carbide process waste. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 57073-57089	5.1	1
193	Highly surface activated carbon to remove Cr(VI) from aqueous solution with adsorbent recycling. 2021 , 197, 111151		7
192	Activated biochar derived from spent <i>Auricularia auricula</i> substrate for the efficient adsorption of cationic azo dyes from single and binary adsorptive systems. 2021 , 84, 101-121		5
191	Synthesis of Activated Carbon Using Bagasse and Recycled Carbon Fibers. 2021 , 44, 1618-1622		1
190	An overview of forest residues as promising low-cost adsorbents. 2021 ,		0
189	Preparation and Characterization of Physicochemical Properties of Spruce Cone Biochars Activated by CO. 2021 , 14,		4
188	Recent advances in functionalization of carbon nanosurface structures for electrochemical sensing applications: tuning and turning. 1		1
187	Effect of pore size and heterogeneous surface on the adsorption of CO ₂ , N ₂ , O ₂ , and Ar on carbon aerogel, RF aerogel, and activated carbons. 2021 , 322, 111089		5
186	Removal of non-steroidal anti-inflammatory drugs (NSAIDs) from water with activated carbons synthesized from waste murumuru (<i>Astrocaryum murumuru</i> Mart.): Characterization and adsorption studies. 2021 , 343, 116980		1
185	Rheological properties of oil-water-coal emulsions based on Motul and Comma oils. 2021 , 78-83		
184	Calorimetric evaluation of activated carbons prepared by chemical activation. 1		
183	FTIR, SEM and XRD analysis of activated carbon from sago wastes using acid modification. 2021 , 1968, 012014		0
182	Stabilization of pristine and oxidized carbon nanotubes dispersions in acidic and alkaline solutions. 1-8		0
181	Chemical feature of the soot emissions from a diesel engine fueled with methanol-diesel blends. 2021 , 297, 120739		12
180	New use for biochar derived from bovine manure for tetracycline removal. 2021 , 9, 105585		31

179	Trapping Rhodamine B dye using functionalized mango (<i>Mangifera indica</i>) pod. 2021 , 93, 2308-2328		4
178	Valorization of Casuarina empty fruit-based activated carbons for dyes removal [Activators, isotherm, kinetics and thermodynamics. <i>Surfaces and Interfaces</i> , 2021 , 25, 101277	4.1	4
177	Adsorption of Fe ³⁺ ions onto carbon powder followed by adsorbent electroflotation. 2021 , 23, 101722		2
176	Competitive kinetics of adsorption onto activated carbon for emerging contaminants with contrasting physicochemical properties. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	1
175	Surface reactions during temperature-programmed desorption and reduction experiments with oxygen-functionalized carbon blacks. 2021 , 561, 150044		2
174	The Analysis of Pore Development and Formation of Surface Functional Groups in Bamboo-Based Activated Carbon during CO Activation. 2021 , 26,		3
173	Deactivation mechanism of coal char gasification reactivity induced by cow manure biomass volatile-coal char interactions. 2021 , 301, 121064		7
172	Quo vadis carbocatalysis?. 2021 , 61, 219-227		
171	Sustainable utilization of wetland biomass for activated carbon production: A review on recent advances in modification and activation methods. <i>Science of the Total Environment</i> , 2021 , 790, 148214	10.2	9
170	A feasible electrochemical biosensor for determination of glucose based on Prussian blue - Enzyme aggregates cascade catalytic system. 2021 , 141, 107838		5
169	Preparation of novel porous carbon from hydrothermal pretreated textile wastes: Effects of textile type and activation agent on structural and adsorptive properties. 2021 , 43, 102286		3
168	Facile fabrication of ultra-large graphene film with high photothermal effect and thermal conductivity. 2021 , 563, 150354		2
167	Biochar aging: Properties, mechanisms, and environmental benefits for adsorption of metolachlor in soil. 2021 , 24, 101841		6
166	Practical atomistic models of carbon fiber surfaces with tuneable topology and topography. 2021 , 216, 109049		0
165	Selective adsorption of egg white hydrolysates onto activated carbon: Establishment of physicochemical mechanisms for removing phenylalanine. 2021 , 364, 130285		1
164	Selective and highly efficient removal of uranium from radioactive effluents by activated carbon functionalized with 2-aminobenzoic acid as a new sorbent. 2021 , 299, 113587		6
163	Historical Background and Present Status of the Capacitors and Supercapacitor for High Bioenergy Storage Applications. 2021 ,		
162	Carbon materials as CO ₂ adsorbents: a review. 2021 , 19, 875-910		19

161	A comprehensive study on butanolysis of furfuryl alcohol to butyl levulinate using tungstated zirconia and sulfonated carbon catalysts. 2021 , 4, 111-121	3
160	PROPERTIES OF PTFE /MWNT COMPOSITE MATERIALS. 2007 , 757-763	5
159	Phytoremediation Technology: Sustainable Solution for Cleaning Up of Recalcitrant Pollutants from Disturbed Environs. 2020 , 245-268	2
158	Removal of Co(II) and Cr(III) from aqueous solution by graphene nanosheet/ γ MnO ₂ : Batch and column studies. 2020 , 159, 477-490	4
157	Probing the aging processes and mechanisms of microplastic under simulated multiple actions generated by discharge plasma. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122956	12.8 33
156	CHAPTER 10: Bulk and Surface Analysis of Carbonaceous Materials. 2015 , 311-354	2
155	Testing modification conditions for carbon granular sorbent with glycolic acid using a vacuum rotary evaporator. 2020 ,	2
154	Novel Determination of Elemental Carbon in Sediments by DRIFTS. 2004 , 1, 104	1
153	Influence of Activated Carbon Oxidation Condition on Adsorption of Cd(II) from Aqueous Solution. 2013 , 39, 508-513	5
152	Expanded Graphite and Its Composites. 2019 ,	1
151	Decomposition of peroxides by carbon nanotubes: factors, determining their catalytic activity. 2018 , 10(25), 228-244	1
150	Characterisation of Activated Carbons Obtained from Rice Husk. 2017 , 18, 299	4
149	Lignocellulosic-Based Activated Carbon Prepared by a Chemical Impregnation Method as Electrode Materials for Double Layer Capacitor. 2017 , 07, 175-190	3
148	Removal of Malachite Green Dye from Aqueous Solutions onto Microwave Assisted Zinc Chloride Chemical Activated Epicarp of <i>Ricinus communis</i> . 2013 , 05, 222-238	15
147	An Efficient Activated Carbon for the Wastewater Treatment, Prepared from Peanut Shell. 2013 , 02, 148-156	3
146	Produção e desempenho de carvão ativado fisicamente a partir de <i>Bambusa vulgaris</i> . 2019 , 39,	1
145	Evidence of Carboxyl Modification of Hydrogen-Free Diamond-Like Carbon Films Assisted by Radio Frequency Plasma in Vacuum. 2012 , 2012, 1-6	6
144	Selective Removal of Cr (VI) and Cr (III) in Aqueous Solution by Surface Modified Activated Carbon. 2008 , 9, 23-27	3

143	Adsorption of cationic dye (MB) and anionic dye (AG 25) by physically and chemically activated carbons developed from rice husk. 2012 , 13, 61-72	17
142	Modeling and Characterization of Steam-Activated Carbons Developed from Cotton Stalks. 2013 , 14, 14-21	5
141	Removal of deltamethrin insecticide over highly porous activated carbon prepared from pistachio nutshells. 2013 , 14, 234-242	17
140	Influence of Surface Functional Groups and Solvent on Adsorption of Dissolved Aromatics by Activated Carbon. 2007 , 17, 387-394	10
139	Influence of Acidic Surface Functional Groups on Lead(II) ions Adsorption by Activated Carbons. 2008 , 18, 219-226	8
138	Influence of Cd ²⁺ and Cd(OH) ⁺ Species on Adsorption to Activated Carbons in Aqueous Solutions. 2009 , 19, 187-195	6
137	Adsorption of Pb(II) ion on mesoporous activated carbon prepared by ZnCl ₂ activation. 2011 , 2011, 231-237	7
136	Influence of Oxygen-/Nitrogen-containing Functional Groups on the Performance of Electrical Double-Layer Capacitor. 2012 , 50, 1043-1048	3
135	Reliability of electrode materials for supercapacitors and batteries in energy storage applications: a review. 1	1
134	Inherently Functionalized Carbon from Algae to Adsorb Precursors of Secondary Organic Aerosols in Noncombustion Sources. 2021 , 9, 14375-14384	6
133	Influence of Acidic Groups of Activated Carbon on Adsorption and Desorption of Cadmium Ions. 2007 , 17, 635-641	4
132	Comparative Investigation of the Hydrogen Production of Zinc/Carbons Prepared from Non-activated Carbon and Surface-modified Activated Carbon by Treatment with Zinc Salts. 2007 , 44, 607-612	
131	De-hydrochlorination of Chlorophenol on Various Activated Carbon Surface Conditions in Aqueous Solution at Room Temperature. 2009 , 19, 343-350	2
130	Physicochemical Properties and Biocompatibility of Polymer/Carbon Nanotubes Composites. 2009 , 347-368	2
129	De-chlorination of 4-Chlorophenol on Activated Carbon Surfaces in Aqueous Solution. 2009 , 30, 111-116	2
128	Effect of Acidic Surface Functional Groups of Activated Carbon on Adsorption of 4,6-Dimethyldibenzothiophene in Fuel Oil. 2011 , 37, 388-393	1
127	A Sustainable Water Purification Solution for Rural Communities.	
126	Effect of Polarities of Aromatic Compounds and Acidic Functional Groups of Carbon Surface on Adsorption. 2012 , 38, 102-109	3

- 125 Removal of 4,6-dimethyldibenzothiophene from model diesel fuel using activated carbon with sulfo group. **2012**, 2012, 100-105
- 124 Preparation of Bamboo Charcoal Mixed with Potassium Component and Water Vapor Absorption and Desorption Property. **2012**, 22, 53-58
- 123 Nanodiamond Particles. **2012**, 789-866 1
- 122 Nitrobenzene Vapor Adsorption on Activated Carbon with Surface Oxygen Functional Groups. **2013**, 39, 307-309 1
- 121 Enhanced nucleation density by heat treatment of nanodiamond seed particles. **2013**, 23, 291-295
- 120 Effects of the type and concentration of solvent used for (NH₄)₂S₂O₈ oxidation on Ni(II) adsorption and the properties of activated carbon. **2015**, 2015, 101-104
- 119 Benzoyl Peroxide Decomposition by Nitrogen-Containing Carbon Nanomaterials. **2016**, 11, 91-96
- 118 The catalytic activity of carbon nanomaterials in lauroyl peroxide decomposition reaction. **2016**, 8(23), 137-146
- 117 Ludwig-Maximilians-Universität München. **2017**, 417-434 0
- 116 Benzoyl peroxide decomposition on the surface of carbon materials on the base of activated carbon KAU. **2017**, 8, 357-368
- 115 Introduction to hydrogen storage in carbon materials. **2018**, 333-341
- 114 Evaluation of bean pod red cargamanto (BPRC) as biosorbent material in the removal of cadmium (Cd²⁺) in aqueous solutions. **2018**, 2, 1
- 113 Effect of Temperature, Time and ZnCl₂ Addition on Formation of Oxygenated Functional Groups on the Surface of Flexible Carbon Prepared by Hydrothermal Carbonization. **2018**, 44, 123-128 0
- 112 Catalytic decomposition of organic peroxides in non-aqueous media under metal-free nanoporous and nanosized carbocatalysts. **2018**, 9, 289-300 1
- 111 Relationship between the Presence and Absence of Oxygen at the Time of Carbonization of Rice Hull Charcoal and Adsorption Abilities toward Cesium and Strontium. **2018**, 43, 297-303
- 110 Porous activated carbon monoliths as a novel target material for the production of ⁹⁹Mo by fission. **2021**, 330, 1299 1
- 109 The Use of High Surface Area Mesoporous-Activated Carbon from Longan Seed Biomass for Increasing Capacity and Kinetics of Methylene Blue Adsorption from Aqueous Solution. **2021**, 26, 4
- 108 Effects of pine sawdust and shrimp shell biochar on anaerobic digestion under different acidification conditions. **2021**, 10, 106581 0

107	Ultrasonic exfoliation of carbon fiber: electroanalytical perspectives. 2020 , 50, 383-394		3
106	Characterization of Empty Fruit Bunch Biochar Pyrolyzed at Different Temperatures with Respect to Activated Carbon and their Sorption Capacities for Pentachlorophenol. 2020 , 18, 314-326		3
105	Catalase-like properties of multilayer graphene oxides and their modified forms. 2020 , 12(27), 251-262		
104	An investigation into the preparation of carbon black by partial oxidation of spent tyre pyrolysis oil. 2022 , 137, 110-120		1
103	Synthesis and study of the physicochemical properties of a carbon sorbent modified by biologically active substances. 2020 ,		
102	Cyclohexane and benzene separation by fixed-bed adsorption on activated carbons prepared from coconut shell. 2021 , 25, 102076		2
101	Effect of benzophenone on the physicochemical properties of N-CNTs synthesized from 1-ferrocenylmethyl (2-methylimidazole) catalyst. 205-217		
100	Effects of demineralization on food waste biochar for co-firing: Behaviors of alkali and alkaline earth metals and chlorine. 2022 , 137, 190-199		1
99	Preparation of tungsten-based thin films using a F-free W precursor and tert-butyl hydrazine via 2- and 3-step atomic layer deposition process. 2022 , 578, 152062		
98	Nitrogen-doped biochar as peroxymonosulfate activator to degrade 2,4-dichlorophenol: Preparation, properties and structure-activity relationship. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127743	12.8	1
97	Fabrication of Mg-Doped Sargassum Biochar for Phosphate and Ammonium Recovery. 2021 , 13, 12752		0
96	Quantitative effects of surface oxidation on biochar derived from long-root Eichhornia Crassipes plants as Cd ²⁺ adsorbent. 2022 , 17, 100937		0
95	Synthesis and performance evaluation of adsorbents derived from sewage sludge blended with waste coal for nitrate and methyl red removal.. 2022 , 12, 1670		1
94	Copper stress alleviation in corn (<i>Zea mays</i> L.): Comparative efficiency of carbon nanotubes and carbon nanoparticles.. 2022 , 25, 100381		1
93	Biosorption of Basic Red 46 using raw cactus fruit peels: equilibrium, kinetic and thermodynamic studies. 1		0
92	Impact of plasma-induced surface chemistry on electrochemical properties of microfabricated pyrolytic carbon electrodes. <i>Electrochimica Acta</i> , 2022 , 410, 139987	6.7	0
91	Metal-free catalyst fabrication by incorporating oxygen groups on the surface of the carbonaceous sample and efficient hydrogen production from NaBH ₄ methanolysis. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 7242-7251	6.7	0
90	Separation of anthropogenic radionuclides from aqueous environment using raw and modified biosorbents.. <i>Journal of Environmental Radioactivity</i> , 2022 , 244-245, 106829	2.4	0

89	Solving two industrial waste issues simultaneously: Coal gasification fine slag-based hierarchical porous composite with enhanced CO adsorption performance.. <i>Science of the Total Environment</i> , 2022 , 821, 153347	10.2	1
88	Sorbent based on citrus peel waste for wastewater treatment. 2022 , 455-478		0
87	Role of Combined NaHPO and ZnCl in the Unprecedented Catalysis of the Sequential Pretreatment of Sustainable Agricultural and Agro-Industrial Wastes in Boosting Bioethanol Production.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	1
86	The removal of acid green 4G and anthraquinone orange from aqueous solution using adsorption on activated carbon from human hair. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2022 , 135, 987	1.6	0
85	Treated activated carbon as a metal-free catalyst for effectively catalytic reduction of toxic hexavalent chromium.. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128416	12.8	2
84	Sustainable Use of African Palm Shell Waste Applied to Paraben Adsorption from Aqueous Solutions. 2021 , 349-380		
83	Functional permanently whitened lignin synthesized via solvent-controlled encapsulation. <i>Green Chemistry</i> ,	10	0
82	Preparation and application of carbon black-filled rubber composite modified with a multi-functional silane coupling agent. <i>International Polymer Processing</i> , 2022 , 37, 15-24	1	0
81	Functional Biochar Synergistic Solid/Liquid-Phase CO ₂ Capture: A Review. <i>Energy & Fuels</i> , 2022 , 36, 2945-2970	4.1	4
80	Structure Evolution of Graphitic Surface upon Oxidation: Insights by Scanning Tunneling Microscopy.. <i>Jacs Au</i> , 2022 , 2, 723-730		1
79	Adsorptive removal of aromatic amine from aqueous solutions using carbon black as adsorbent. <i>Chemical Engineering Communications</i> , 1-10	2.2	
78	Contributions of Various Cd(II) Adsorption Mechanisms by -Activated Carbon Modified with Mannitol.. <i>ACS Omega</i> , 2022 , 7, 10502-10515	3.9	0
77	Organic acid modified activated carbon filter media for removal of isopropanol in the cleanroom. <i>Optik</i> , 2022 , 255, 168733	2.5	0
76	Raman Shift of Surface Reaction and Plasma Induced Surface Damage by TNF ₃ /BNF ₃ Reactive Ion Etching Process. <i>Electronic Materials Letters</i> , 1	2.9	
75	Enhanced catalytic performance of the carbon-supported Ru ammonia synthesis catalyst by an introduction of oxygen functional groups via gas-phase oxidation. <i>Journal of Catalysis</i> , 2022 , 409, 78-86	7.3	1
74	[BMIM][OAc] coating layer makes activated carbon almost completely selective for CO ₂ . <i>Chemical Engineering Journal</i> , 2022 , 437, 135436	14.7	3
73	Enhanced Catalytic Hydrogen Peroxide Production from Hydroxylamine Oxidation on Modified Activated Carbon Fibers: The Role of Surface Chemistry. <i>Catalysts</i> , 2021 , 11, 1515	4	0
72	Coconut Shell Charcoal Adsorption to Remove Methyl Orange in Aqueous Solutions.		

71	A comprehensive methodology for determining buffering capacity of landfill-mined-soil-like-fractions.. <i>Science of the Total Environment</i> , 2022 , 155188	10.2	1
70	Carbon bed post-plasma to enhance the CO ₂ conversion and remove O ₂ from the product stream. <i>Chemical Engineering Journal</i> , 2022 , 442, 136268	14.7	0
69	Table_1.DOCX. 2019 ,		
68	Effects of low molecular weight organic acids on aggregation behavior of biochar colloids at acid and neutral conditions. <i>Biochar</i> , 2022 , 4, 1	10	0
67	Surface Acid Functionalization of Activated Carbons and Its Influence on the Copper-Support Interactions. 2021 , 6,		
66	Effect of varying pH and co-existing microcystin-LR on time- and concentration-dependent cadmium sorption by goethite-modified biochar derived from distillers grains. <i>Environmental Pollution</i> , 2022 , 119490	9.3	0
65	Fundamentals, Mechanism, and Materials for Hybrid Supercapacitors. <i>Advances in Material Research and Technology</i> , 2022 , 71-100	0.4	1
64	Adsorptive Behavior of Tartaric Acid Treated <i>Holarrhena antidysenterica</i> and <i>Citrullus colocynthis</i> Biowastes for Decolourization of Congo Red Dye from Aqueous Solutions. <i>Journal of Chemistry</i> , 2022 , 2022, 1-18	2.3	
63	Degradation behavior of multifunctional carbon fabric-reinforced cementitious matrix composites under anodic polarization. <i>Construction and Building Materials</i> , 2022 , 341, 127751	6.7	0
62	High Surface Area 3D Graphene Oxide for Enhanced Sorption of Radionuclides. <i>Advanced Materials Interfaces</i> , 2200510	4.6	1
61	Water Treatment Using High Performance Antifouling Ultrafiltration Polyether Sulfone Membranes Incorporated with Activated Carbon. <i>Polymers</i> , 2022 , 14, 2264	4.5	
60	Carbon nano-structures and functionalized associates: Adsorptive detoxification of organic and inorganic water pollutants. <i>Inorganic Chemistry Communication</i> , 2022 , 141, 109579	3.1	1
59	Effect of different exposed crystal surface of CeO ₂ loading on MnO ₂ /X catalyst for NH ₃ -SCR reaction. <i>CrystEngComm</i> ,	3.3	
58	Alternative activated/KOH adsorbent for phenol adsorption: experimental, industrial case study and mass transfer interpretation. <i>Environmental Science and Pollution Research</i> ,	5.1	0
57	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	
56	Identification of pyrone-type species as the active site for oxygen reduction reaction. <i>Chemical Communications</i> ,	5.8	0
55	Activated Carbon: A Review of Residual Precursors, Synthesis Processes, Characterization Techniques, and Applications in the Improvement of Biogas. <i>Environmental Engineering Research</i> ,	3.6	
54	Low-cost <i>Posidonia oceanica</i> bio-adsorbent for efficient removal of antibiotic oxytetracycline from water. <i>Environmental Science and Pollution Research</i> ,	5.1	1

53	Graphene oxide nanoflakes prevent reperfusion injury of Langendorff isolated rat heart providing antioxidative activity in situ. <i>Free Radical Research</i> , 1-14	4	0
52	The preparation and evaluation mechanism of mesoporous spherical silica/porous carbon-filled polypropylene composites obtained from coal gasification fine slag. <i>Environmental Science and Pollution Research</i> ,	5.1	0
51	An Update on Sophisticated and Advanced Analytical Tools for Surface Characterization of Nanoparticles. <i>Surfaces and Interfaces</i> , 2022 , 102165	4.1	0
50	A review on self-healing polymers and polymer composites for structural applications. <i>Polymer Composites</i> ,	3	0
49	Interaction of L-Ascorbic Acid with Activated Carbon: Kinetic Studies and the Effect of pH. 2022 , 84, 353-363		
48	Metal-Free Phosphate Modified Hierarchically Porous Carbon/Silica Nanocomposites for Solvent-Free Glycerol Carbonylation and Esterification Reactions.		1
47	Effective removal of cationic dye on activated carbon made from cactus fruit peels: a combined experimental and theoretical study.		0
46	Rational design of metal oxide based electrode materials for high performance supercapacitors [A review]. 2022 , 55, 105419		3
45	Enzymatic biosensor based on dendritic gold nanostructure and enzyme precipitation coating for glucose sensing and detection. 2023 , 162, 110132		1
44	Palladium(II) Chloride Complex Ion Recovery from Aqueous Solutions Using Adsorption Process on Chemically Oxidized Activated Carbons.		0
43	Lignin-Derived Carboxylated Carbon Nanocatalysts for Biomass Hydrolysis: Case Study Cellulose and Eucalyptus.		0
42	INFLUENCE OF NONCOVALENT MODIFICATION OF CARBON NANOTUBES BY POLYETHYLENE GLYCOL ON THEIR DISTRIBUTION IN THE POLYMER MATRIX. 2022 , 2022, 16-25		0
41	Paracetamol and Ibuprofen Removal from Aqueous Phase Using a Ceramic-Derived Activated Carbon.		1
40	Study on adsorption of NO _x /SO ₂ with coconut shell activated carbon in simulated flue gas.		0
39	Physical-Chemical Characterization of Different Carbon-Based Sorbents for Environmental Applications. 2022 , 15, 7162		0
38	Critical Review on Carbon-Based Nanomaterial for Carbon Capture: Technical Challenges, Opportunities, and Future Perspectives.		1
37	Adsorption characteristics of nitrate ion by sodium carbonate activated PAN-based activated carbon fiber. 2022 , 4,		0
36	New insights into the effective removal of Basic Red 46 onto activated carbon produced from pomegranate peels.		0

- 35 Efficient Pd on carbon catalyst for ammonium formate dehydrogenation: Effect of surface oxygen functional groups. **2023**, 321, 122015 ○
- 34 Highly Functionalized Microporous Activated Biochar from *Syagrus coronata* Waste: Production, Characterization, and Application in Adsorption Studies. **2022**, 14, 3525 ○
- 33 Performance and characterization of bamboo-based activated carbon prepared by boric acid activation. **2023**, 295, 127130 ○
- 32 A sustainably produced hydrochar from pomegranate peels for the purification of textile contaminants in an aqueous medium. **2023**, 31, 100924 ○
- 31 Synthesis and Study of the Physicochemical Properties of a Mesoporous Carbon Sorbent Modified with Amino Acids. **2022**, 58, 913-919 ○
- 30 Adsorption Behaviour of EDTA Modified Magnetic Fe₃O₄ Coated Brewed Tea Waste on Cr(VI) Removal. ○
- 29 The role of oxygen heteroatoms in the surface (electro)chemistry of carbon materials. **2022**, 1, 162-174 ○
- 28 Thiol functionalized activated carbon for gold thiosulfate recovery, an analysis of the interactions between gold and sulfur functions. **2022**, ○
- 27 Thermicity of the Decomposition of Oxygen Functional Groups on Cellulose-Derived Chars. **2022**, 7, 48606-48614 ○
- 26 Molecular Simulation of Methane Adsorption in Different Micro Porous Activated Carbons at Different Temperatures. **2023**, 38, 1-11 ○
- 25 Comparison of the Electrochemical Response of Carbon-Fiber-Reinforced Plastic (CFRP), Glassy Carbon, and Highly Ordered Pyrolytic Graphite (HOPG) in Near-Neutral Aqueous Chloride Media. **2023**, 9, 7 ○
- 24 Facile adsorption-electroflotation method for the removal of heavy metal ions from water using carbon nanomaterials. ○
- 23 The Influence of Acidic Oxygen Containing Groups Located on the Surface of Graphene Oxide (GO) on the Carbonation of Tricalcium Silicate (C3S) Based on Boehm's-Theorem. **2023**, 8, ○
- 22 Characterization of Carbon Materials. **2023**, 281-306 ○
- 21 Efficient one-pot conversion of cellulose to sorbitol over Ni-based carbon catalysts with embedment structure. **2023**, 339, 127447 ○
- 20 Activated carbon for syngas purification. **2023**, 229-250 ○
- 19 Triple action of sulfuric acid on the preparation of the carbon-based solid acid from waste toner and its application. ○
- 18 Partially pyrolyzed-non-activated olive stones: Characterization and utilization of olive stones partially-pyrolyzed at various temperatures for 2-chlorophenol removal from water. **2023**, 9, 100209 ○

- 17 Degradation Behavior of Methylammonium Lead Iodide (CH₃NH₃PbI₃) Perovskite Film in Ambient Atmosphere and Device. **2023**, 255, 89-98 ○
- 16 Probing the aging process and mechanism of microplastics under reduction conditions. **2023**, 451, 131185 ○
- 15 Characterisation of the surface chemistry of carbon materials by temperature-programmed desorption: An assessment. **2023**, 418, 114136 ○
- 14 Mechanism of Al toxicity alleviation in acidic red soil by rice-straw hydrochar application and comparison with pyrochar. **2023**, 877, 162849 ○
- 13 Is sorption technology fit for the removal of persistent and mobile organic contaminants from water?. **2023**, 880, 163343 ○
- 12 Opportunities in the use of carbon materials to develop heterogenized metal complexes for catalytic applications. **2023**, 552, 121513 ○
- 11 Hydrolysis of cellulose to glucose in aqueous phase with phosphate group modified hydroxy-rich carbon-based catalyst. **2023**, 206, 72-83 ○
- 10 Experimental study on adsorption of SO₂ and DCM from air pollutants by modified biochar. ○
- 9 Dynamic nuclear polarization Nuclear magnetic resonance for analyzing surface functional groups on carbonaceous materials. **2023**, 206, 84-93 ○
- 8 Non-Affinity Purification of Antibodies. **2023**, 12, 15 ○
- 7 High surface area mesoporous carbon from black cumin (*Nigella sativa*) processing industry solid residues via single-stage K₂CO₃ assisted carbonization method: Production optimization, characterization and its some water pollutants removal and supercapacitor performance. **2023**, 135, 109815 ○
- 6 Removal of thiophene compounds from model fuel with supported copper on activated carbon, adsorption kinetics, and isotherms. ○
- 5 Insights into Selective Removal by Dye Adsorption on Hydrophobic vs Multivalent Hydrophilic Functionalized MWCNTs. **2023**, 8, 11233-11250 ○
- 4 Gas-Phase and Plasma-Chemical Bromination: Key Techniques to Prepare Heteroatom-Functionalized Carbon Surfaces. **2023**, 439-480 ○
- 3 Production of hydrochar from biomass waste as economical adsorbents for methylene blue insight of occurring adsorption phenomena. ○
- 2 Impact of Surface Structure on SEI for Carbon Materials in Alkali Ion Batteries: A Review. **2023**, 9, 226 ○
- 1 Effects of oxygen-containing functional groups on carbon materials in supercapacitors: A review. **2023**, 230, 111952 ○