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The characterization of activated carbons with oxygen and nitrogen surface groups

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1271	Chemical and Electrochemical Studies of Interactions between Iron(III) Ions and an Activated Carbon Surface. 1998 , 14, 3082-3089		62
1270	Oxygen distribution within oxidised active carbon granules. <i>Fuel</i> , 1999 , 78, 1443-1448	7.1	23
1269	Modification of the surface chemistry of activated carbons. <i>Carbon</i> , 1999 , 37, 1379-1389	10.4	2310
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1267	Effect of Activated Carbon Surface Oxygen- and/or Nitrogen-Containing Groups on Adsorption of Copper(II) Ions from Aqueous Solution□ 1999 , 15, 6117-6122		202
1266	Industrial carbon adsorbents. 1999 , 120, 69-94		12
1265	Comparative adsorption study on carbons from polymer precursors. <i>Carbon</i> , 2000 , 38, 1965-1976	10.4	78
1264	Changes in surface chemistry of activated carbons by wet oxidation. <i>Carbon</i> , 2000 , 38, 1995-2001	10.4	694
1263	Introduction of acidic groups at the surface of activated carbon by microwave-induced oxygen plasma at low pressure. <i>Carbon</i> , 2000 , 38, 1021-1029	10.4	60
1262	Active carbon surface oxidation to optimize the support functionality and metallic dispersion of a Pd/C catalyst.. 2000 , 143, 993-1002		8
1261	Adsorption/Oxidation of Hydrogen Sulfide on Nitrogen-Containing Activated Carbons. 2000 , 16, 1980-1986		178
1260	Adsorption of Cadmium Ions on Oxygen Surface Sites in Activated Carbon. 2000 , 16, 1114-1122		221
1259	POROUS CARBONS IN ADSORPTION AND CATALYSIS. 2001 , 309-355		18
1258	Changes in the Surface Chemistry and Adsorptive Properties of Active Carbon Previously Oxidised and Heat-Treated at Various Temperatures. I. Physicochemical Properties of the Modified Carbon Surface. 2001 , 19, 565-576		14

1257	Ozonation of 1,2-dihydroxybenzene in the presence of activated carbon. 2001 , 44, 125-130		7
1256	Influence of CO-evolving groups on the activity of activated carbon fiber for SO ₂ removal. 2001 , 70, 151-158		20
1255	Adsorption characteristics of phenol and chlorophenols on granular activated carbons (GAC). 2001 , 70, 123-131		253
1254	The influence of activated carbon surface chemical composition on the adsorption of acetaminophen (paracetamol) in vitro. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001 , 177, 23-45	5.1	314
1253	Catalytic cooperation at the interface of physical mixtures of CaO and MgO catalysts during steam gasification of naphthalene. 2001 , 31, 1031-1041		15
1252	Effect of activation on the surface chemistry of carbons from polymer precursors. <i>Carbon</i> , 2001 , 39, 1217-1228	10.4	209
1251	Catalytic removal of SO ₂ over ammonia-activated carbon fibers. <i>Carbon</i> , 2001 , 39, 1803-1808	10.4	84
1250	Surface characterization of polyethyleneterephthalate (PET) based activated carbon and the effect of pH on its adsorption capacity from aqueous phenol and 2,3,4-trichlorophenol solutions. <i>Carbon</i> , 2001 , 39, 1945-1953	10.4	129
1249	Adsorption characteristics of SO ₂ on activated carbon prepared from coconut shell with potassium hydroxide activation. 2002 , 36, 1086-92		80
1248	Adsorption Behaviors of HiPco Single-Walled Carbon Nanotube Aggregates for Alcohol Vapors. 2002 , 106, 8994-8999		69
1247	Adsorption of SO ₂ on Activated Carbons: The Effect of Nitrogen Functionality and Pore Sizes. 2002 , 18, 1257-1264		118
1246	Acetaldehyde Adsorption on Nitrogen-Containing Activated Carbons. 2002 , 18, 3213-3218		54
1245	Effect of Ozone Treatment on Surface Properties of Activated Carbon. 2002 , 18, 2111-2116		341
1244	On the adsorption/oxidation of hydrogen sulfide on activated carbons at ambient temperatures. 2002 , 246, 1-20		272
1243	Influence of organics on the structure of water adsorbed on activated carbons. 2002 , 253, 23-34		39
1242	Dynamic adsorption of ammonia on activated carbons measured by flow microcalorimetry. 2002 , 233, 141-150		27
1241	Voltammetric studies of the gradual thermal decomposition of activated carbon surface oxygen complexes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002 , 208, 313-320	5.1	31
1240	Carbon surface polarity from immersion calorimetry. 2002 , 79, 217-223		18

1239	Modified porous carbon materials as catalytic support for cathodic reduction of dioxygen. 2002 , 79, 251-257	21
1238	Mechanism of lithium electrosorption by activated carbons. <i>Electrochimica Acta</i> , 2002 , 47, 1545-1553	6.7 22
1237	Surface oxides on carbon and their analysis: a critical assessment. <i>Carbon</i> , 2002 , 40, 145-149	10.4 1419
1236	Effect of oxygen functional groups on synthetic carbons on liquid phase oxidation of cyclohexanone. <i>Carbon</i> , 2002 , 40, 1267-1278	10.4 54
1235	Influence of progressive surface oxidation of nitrogen-containing carbon on its electrochemical behaviour in phosphate buffer solutions. <i>Carbon</i> , 2002 , 40, 1873-1881	10.4 20
1234	Effects of activated carbon surface chemistry and pore structure on the adsorption of organic contaminants from aqueous solution. <i>Carbon</i> , 2002 , 40, 2085-2100	10.4 520
1233	Microstructure and chemical analysis of PAN-based activated carbon fibers prepared by different activation methods. <i>Carbon</i> , 2002 , 40, 1144-1147	10.4 68
1232	The role of dispersive and electrostatic interactions in the aqueous phase adsorption of naphthalenesulphonic acids on ozone-treated activated carbons. <i>Carbon</i> , 2002 , 40, 2685-2691	10.4 53
1231	The effect of the gradual thermal decomposition of surface oxygen species on the chemical and catalytic properties of oxidized activated carbon. <i>Carbon</i> , 2002 , 40, 2627-2639	10.4 319
1230	Catalytic decomposition of methylene chloride on oxidative carbon supported metal oxide catalysts. 2003 , 80, 131-138	5
1229	Studies on the structure of activated carbon fibers activated by phosphoric acid. 2003 , 87, 2253-2261	47
1228	Surface chemistry of nanoporous carbon and the effect of pH on adsorption from aqueous phenol and 2,3,4-trichlorophenol solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003 , 230, 13-22	5.1 43
1227	Development of a dispersion process for carbon nanotubes in ceramic matrix by heterocoagulation. <i>Carbon</i> , 2003 , 41, 1063-1068	10.4 141
1226	Mechanisms of surfactant adsorption on non-polar, air-oxidized and ozone-treated carbon surfaces. <i>Carbon</i> , 2003 , 41, 1489-1500	10.4 101
1225	Improvement of the reduction capacity of activated carbon fiber. <i>Carbon</i> , 2003 , 41, 1265-1271	10.4 47
1224	Adsorption and reaction behavior for the simultaneous adsorption of NO and SO ₂ on activated carbon impregnated with KOH. <i>Carbon</i> , 2003 , 41, 1881-1888	10.4 67
1223	Bulk and surface chemical functionalities of type III PAN-based carbon fibres. <i>Carbon</i> , 2003 , 41, 1905-1915	10.4 112
1222	Modified carbon nanotubes: an effective way to selective attachment of gold nanoparticles. <i>Carbon</i> , 2003 , 41, 2923-2929	10.4 257

1221	Production of carbon molecular sieves by plasma treated activated carbon fibers?. <i>Fuel</i> , 2003 , 82, 2045-2049	21
1220	Porous properties of activated carbons from waste newspaper prepared by chemical and physical activation. 2003 , 262, 179-93	121
1219	Preparation of mesoporous carbon from commercial activated carbon with steam activation in the presence of cerium oxide. 2003 , 264, 467-73	24
1218	Mechanism of co-pyrolysis of coal-tar pitch with polyacrylonitrile. 2003 , 67, 77-93	45
1217	Effect of chemical treatment of activated carbon as a support for promoted dimethyl carbonate synthesis by vapor phase oxidative carbonylation of methanol over Wacker-type catalysts. 2003 , 243, 323-331	29
1216	Thermal degradation of flame-retarded polyethylene/magnesium hydroxide/poly(ethylene-co-propylene) elastomer composites. 2003 , 52, 1016-1020	14
1215	Infrared Spectroscopy of Carbon Materials: A Quantum Chemical Study of Model Compounds. 2003 , 107, 6350-6359	277
1214	Degradation and removal of naphthalenesulphonic acids by means of adsorption and ozonation catalyzed by activated carbon in water. 2003 , 39,	12
1213	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
1212	Adsorption/Oxidation of CH ₃ SH on Activated Carbons Containing Nitrogen. 2003 , 19, 6115-6121	63
1211	Removal of MCPA (4-Chloro-2-Methylphenoxy-Acetic Acid) from Aqueous Solutions Using Adsorbent Produced from Elutrilithe. 2003 , 25, 1-13	4
1210	Primary silver extraction with a high sulphur activated petroleum coke. 2004 , 49, 155-162	1
1209	Mechanism of co-pyrolysis of coal-tar pitch with polyvinylpyridine. 2004 , 72, 121-130	35
1208	Synthesis and characterization of microporous carbons templated by ammonium-form zeolite Y. <i>Carbon</i> , 2004 , 42, 2821-2831	10.4 113
1207	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
1206	Preparation of activated carbon fibers supported TiO ₂ photocatalyst and evaluation of its photocatalytic reactivity. 2004 , 221, 81-88	152
1205	Influence of nitrogen surface functionalities on the catalytic activity of activated carbon in low temperature SCR of NO with NH ₃ . 2004 , 90, 51-59	95
1204	Ozonation of naphthalenesulphonic acid in the aqueous phase in the presence of basic activated carbons. 2004 , 20, 9217-22	75

1203	Characterization of Vulcan Electrochemically Oxidized under Simulated PEM Fuel Cell Conditions. 2004 , 151, E125		492
1202	Acid/Base-treated activated carbons: characterization of functional groups and metal adsorptive properties. 2004 , 20, 2233-42		264
1201	Surface chemistry of porous carbons from N-polymers and their blends with pitch. 2005 , 82, 113-120		39
1200	CO2 removal potential of carbons prepared by co-pyrolysis of sugar and nitrogen containing compounds. 2005 , 74, 298-306		46
1199	Interaction of amphetamine and its N-alkyl-substituted derivatives with micro- and mesoporous adsorbents in polar liquids. 2005 , 282, 261-9		11
1198	Preparation and the physical/electrochemical properties of a Pt/C nanocatalyst stabilized by citric acid for polymer electrolyte fuel cells. <i>Electrochimica Acta</i> , 2005 , 50, 1973-1983	6.7	118
1197	Adsorbability enhancement of activated carbon by dielectric barrier discharge plasma treatment. 2005 , 200, 2277-2282		68
1196	Ammonia-tailoring of GAC to enhance perchlorate removal. I: Characterization of NH3 thermally tailored GACs. <i>Carbon</i> , 2005 , 43, 573-580	10.4	84
1195	Influence of the soluble organic fraction on the thermal behaviour, texture and surface chemistry of diesel exhaust soot. <i>Carbon</i> , 2005 , 43, 605-613	10.4	86
1194	Phenol adsorption on zeolite-templated carbons with different structural and surface properties. <i>Carbon</i> , 2005 , 43, 1156-1164	10.4	65
1193	Electrochemical catalytic modification of activated carbon fabrics by ruthenium chloride for supercapacitors. <i>Carbon</i> , 2005 , 43, 1926-1935	10.4	51
1192	Surface modification and characterisation of a coal-based activated carbon. <i>Carbon</i> , 2005 , 43, 3132-3143	10.4	488
1191	Voltammetric and FT-IR studies of modified activated carbon systems with phenol, 4-chlorophenol or 1,4-benzoquinone adsorbed from aqueous electrolyte solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 260, 145-155	5.1	32
1190	Electrochemical studies of the interaction between a modified activated carbon surface and heavy metal ions. 2005 , 35, 123-130		22
1189	Composition of Chemisorption Layers Forming on a Chromium Electrode in Sulfuric Acid Solutions of Formaldehyde and Formic, Oxalic, and Glyoxylic Acids. 2005 , 41, 919-924		6
1188	Analysis of oxidation behavior under dry air of neat and Ta-alloyed furan-resin-derived carbons heat treated at 3000 °C. 2005 , 37, 1137-1142		4
1187	Water Treatment Technique using the Activated Carbon Electrodes and Application to Electrodes for Capacitor. 2005 , 52, 611-618		
1186	Performance Improvement in Direct Methanol Fuel Cell Cathode Using High Mesoporous Area Catalyst Support. 2005 , 8, A12		39

1185	Optical and electrical characterizations of nanocomposite film of titania adsorbed onto oxidized multiwalled carbon nanotubes. 2005 , 17, 4361-4368		34
1184	Photoemission study of onionlike carbons produced by annealing nanodiamonds. 2005 , 71,		127
1183	Nanocrystalline Graphite for Electrochemical Sensing. 2005 , 152, E154		22
1182	Elucidating the porous and chemical structures of ZnCl ₂ -activated polyacrylonitrile on a fiberglass substrate. 2005 , 15, 3142		39
1181	Formation of Densely Packed Single-Walled Carbon Nanotube Assembly. <i>Chemistry of Materials</i> , 2005 , 17, 6422-6429	9.6	22
1180	A diameter-selective attack of metallic carbon nanotubes by nitronium ions. 2005 , 127, 5196-203		137
1179	Influence of nitrogen doping on oxygen reduction electrocatalysis at carbon nanofiber electrodes. 2005 , 109, 4707-16		756
1178	Efficiency of activated carbon to transform ozone into *OH radicals: influence of operational parameters. 2005 , 39, 3189-98		233
1177	Aqueous and gaseous adsorption from montmorillonite-carbon composites and from derived carbons. 2005 , 21, 2349-55		30
1176	Influence of surface chemistry on the SAXS response of polymer-based activated carbons. 2005 , 21, 8443-51		31
1175	Intercalant-induced superbundle formation of single-wall carbon nanotubes. 2005 , 109, 10004-8		7
1174	Utilization of Fly Ash to Prepare Adsorbent for SO ₂ Removal in Flue Gas. 2006 , 28, 727-741		4
1173	Combined and Hybrid Adsorbents. 2006 ,		11
1172	Preparation and Characterization of Aminated Carbon from a Single-Step Reaction. <i>Chemistry of Materials</i> , 2006 , 18, 4130-4136	9.6	17
1171	Thermodynamics of the CMMS approach and carbon surface chemistry in SO ₂ adsorption. 2006 , 22, 6887-92		9
1170	Chapter 5 Desulfurization on activated carbons. 2006 , 7, 231-292		28
1169	Preparation of Nitrogen-Enriched Activated Carbons from Brown Coal. 2006 , 20, 1275-1280		102
1168	Diesel engine exhaust emission: oxidative behavior and microstructure of black smoke soot particulate. 2006 , 40, 1231-6		102

- 1167 Deposition of a thin film of TiO_x from a titanium metal target as novel blocking layers at conducting glass/TiO₂ interfaces in ionic liquid mesoscopic TiO₂ dye-sensitized solar cells. **2006**, 110, 25222-8 110
- 1166 Adsorption studies of recalcitrant compounds of molasses spentwash on activated carbons. **2006**, 40, 3456-66 39
- 1165 Kinetic of Patent Blue VF Adsorption from Aqueous Solution on Activated Bone Charcoal. **2006**, 53, 1091-1108 1
- 1164 Enhanced acidity and pH-dependent surface charge characterization of successively oxidized graphite oxides. *Carbon*, **2006**, 44, 537-545 10.4 413
- 1163 Detection of low concentration oxygen containing functional groups on activated carbon fiber surfaces through fluorescent labeling. *Carbon*, **2006**, 44, 1203-1209 10.4 37
- 1162 Structure, composition, and chemical reactivity of carbon nanotubes by selective nitrogen doping. *Carbon*, **2006**, 44, 1429-1437 10.4 606
- 1161 Preparation and characterization of mesoporous carbons using a Turkish natural zeolitic template/furfuryl alcohol system. **2006**, 93, 304-312 41
- 1160 Adsorption equilibria in the systems: Aqueous solutions of organics/oxidized activated carbon samples obtained from different parts of granules. *Fuel*, **2006**, 85, 410-417 7.1 17
- 1159 Modification of the oxygen-containing functional group on activated carbon fiber in electrodes of an electric double-layer capacitor. **2006**, 158, 1510-1516 184
- 1158 Influence of pore structure and pretreatments of activated carbons and water effects on breakthrough dynamics of tert-butylbenzene. **2006**, 294, 53-68 8
- 1157 Ozonation of benzothiazole saturated-activated carbons: influence of carbon chemical surface properties. **2006**, 137, 1042-8 49
- 1156 Chemical processes on active carbon surface: A new example of nitrogen fixation. **2006**, 76, 946-954 7
- 1155 Improved electrooxidation of phenol at exfoliated graphite electrodes. **2006**, 11, 223-230 11
- 1154 A diameter-selective chiral separation of single-wall carbon nanotubes using nitronium ions. **2006**, 35, 235-242 14
- 1153 Surface chemistry effects in activated carbon adsorption of industrial pollutants. **2006**, 155-177 6
- 1152 Chapter 4 Surface chemistry of activated carbons and its characterization. **2006**, 159-229 101
- 1151 Modification of Glassy Carbon Surfaces by Atmospheric Pressure Cold Plasma Torch. **2006**, 45, 8506-8511 20
- 1150 About in-situ functionalization of carbon nanopowder synthesized by laser-induced pyrolysis. **2007**,

1149	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. <i>Chemosphere</i> , 2007 , 69, 209-19	8.4	38
1148	Removal of oxidation debris from multi-walled carbon nanotubes. 2007 , 513-5		164
1147	Silica-Polyamine-Based Carbon Composite Adsorbents as Media for Effective Hydrogen Sulfide Adsorption/Oxidation. <i>Chemistry of Materials</i> , 2007 , 19, 2500-2511	9.6	21
1146	Adsorption of Aromatic Compounds on Activated Carbons from Lignin: Equilibrium and Thermodynamic Study. 2007 , 46, 4982-4990		28
1145	Bulk and surface structural investigations of diesel engine soot and carbon black. 2007 , 9, 4018-25		150
1144	Direct Evidence on C-C Single Bonding in Single-Wall Carbon Nanohorn Aggregates. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 5572-5575	3.8	87
1143	Role of Surface Functional Groups in the Adsorption Kinetics of Water Vapor on Microporous Activated Carbons. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 8349-8359	3.8	101
1142	Adsorption of Aromatic Compounds on Activated Carbons from Lignin: Kinetic Study. 2007 , 46, 2853-2860		30
1141	An Ordered Mesoporous Aluminosilicate Oxynitride Template to Prepare N-Incorporated Ordered Mesoporous Carbon. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 7266-7272	3.8	50
1140	Antibacterial and Adsorption Characteristics of Activated Carbon Functionalized with Quaternary Ammonium Moieties. 2007 , 46, 439-445		39
1139	Influence of activated carbon surface acidity on adsorption of heavy metal ions and aromatics from aqueous solution. 2007 , 253, 8554-8559		83
1138	Photocatalytic treatment of wastewater from paper mill by TiO ₂ loaded on activated carbon fibers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007 , 293, 80-86	5.1	50
1137	XPS investigation of the reaction of carbon with NO, O ₂ , N ₂ and H ₂ O plasmas. <i>Carbon</i> , 2007 , 45, 89-96	10.4	191
1136	Oxidized carbon nanofiber/polymer composites prepared by chaotic mixing. <i>Carbon</i> , 2007 , 45, 2079-2091	10.4	50
1135	Electrochemical enhancement of adsorption capacity of activated carbon fibers and their surface physicochemical characterizations. <i>Electrochimica Acta</i> , 2007 , 52, 3075-3081	6.7	44
1134	Preparation of carbon dioxide adsorbents from the chemical activation of urea-formaldehyde and melamine-formaldehyde resins. <i>Fuel</i> , 2007 , 86, 22-31	7.1	204
1133	Preparation of modified active carbon from brown coal by ammoxidation. 2007 , 88, 409-415		53
1132	Oxidization activated carbon fiber through nitrocellulose combustion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007 , 308, 20-24	5.1	12

1131	Oxygen reduction on the electrocatalysts based on pyrolyzed non-noble metal/poly-o-phenylenediamine/carbon black composites: New insight into the active sites. 2007 , 611, 87-95		40
1130	Control of pertechnetate sorption on activated carbon by surface functional groups. 2007 , 305, 209-17		41
1129	Biodiesel from sunflower oil by using activated calcium oxide. 2007 , 73, 317-326		594
1128	Surface chemistry of polyacrylonitrile- and rayon-based activated carbon fibers after post-heat treatment. 2007 , 101, 199-210		69
1127	Nitrogen doping of activated carbon loading Fe ₂ O ₃ and activity in carbon-nitric oxide reaction. 2007 , 8, 707-711		3
1126	Surface properties of carbons obtained from hexachlorobenzene and hexachloroethane by combustion synthesis. <i>Carbon</i> , 2007 , 45, 103-109	10.4	15
1125	Characterization of microstructure and surface properties of heat-treated PAN-and rayon-based activated carbon fibers. 2007 , 14, 227-237		16
1124	Effects of surface characteristics of activated carbon on the adsorption of 2-methylisobornel (MIB) and geosmin from natural water. 2007 , 56, 363-370		46
1123	Adsorption removal of thiophene and dibenzothiophene from oils with activated carbon as adsorbent: effect of surface chemistry. 2008 , 15, 151-157		75
1122	Visible-light responsive dye-modified TiO ₂ photocatalyst. 2008 , 181, 593-602		96
1121	The influence of surface functionalization of activated carbon on palladium dispersion and catalytic activity in hydrogen oxidation. 2008 , 335, 241-251		128
1120	Nitrogen-doped carbon nanostructures and their composites as catalytic materials for proton exchange membrane fuel cell. 2008 , 79, 89-99		649
1119	Surface modification of activated carbons for CO ₂ capture. 2008 , 254, 7165-7172		368
1118	Surface modification of activated carbon fiber and its adsorption for vitamin B1 and folic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 331, 263-267	5.1	48
1117	Carbon fibre reinforced poly(vinylidene fluoride): Impact of matrix modification on fibre/polymer adhesion. 2008 , 68, 1766-1776		70
1116	Purification of single walled carbon nanotubes: The problem with oxidation debris. 2008 , 460, 162-167		88
1115	High capacity mercury adsorption on freshly ozone-treated carbon surfaces. <i>Carbon</i> , 2008 , 46, 518-524	10.4	30
1114	Synthesis and dye separation performance of ferromagnetic hierarchical porous carbon. <i>Carbon</i> , 2008 , 46, 1593-1599	10.4	75

1113	Chemical and electrochemical ageing of carbon materials used in supercapacitor electrodes. <i>Carbon</i> , 2008 , 46, 1829-1840	10.4	149
1112	Nitrogen-promoted active carbons as catalytic supports: 2. The influence of Mn promotion on the structure and catalytic properties in SCR. 2008 , 137, 235-241		26
1111	Nitrogen-promoted active carbons as DeNOx catalysts: 1. The influence of modification parameters on the structure and catalytic properties. 2008 , 137, 228-234		33
1110	Catalytic destruction of methyl tertiary butyl ether (MTBE) using oxidized carbon. 2008 , 137, 460-465		7
1109	Activated carbon as catalyst in wet oxidation of phenol: Effect of the oxidation reaction on the catalyst properties and stability. 2008 , 81, 122-131		34
1108	Surface functional groups of carbons and the effects of their chemical character, density and accessibility to ions on electrochemical performance. <i>Carbon</i> , 2008 , 46, 1475-1488	10.4	651
1107	Nanoporous carbon electrode from waste coffee beans for high performance supercapacitors. 2008 , 10, 1594-1597		373
1106	Capacitance behaviour of brown coal based active carbon modified through chemical reaction with urea. <i>Electrochimica Acta</i> , 2008 , 53, 5469-5475	6.7	115
1105	Enhanced methanol electro-oxidation activity of PtRu catalysts supported on heteroatom-doped carbon. <i>Electrochimica Acta</i> , 2008 , 53, 7622-7629	6.7	125
1104	Carbon-based catalytic briquettes for the reduction of NO: Effect of H2SO4 and HNO3 carbon support treatment. <i>Fuel</i> , 2008 , 87, 2058-2068	7.1	48
1103	H2O2 treated carbon black as electrocatalyst support for polymer electrolyte membrane fuel cell applications. 2008 , 33, 6289-6297		39
1102	Graphene oxide dispersions in organic solvents. 2008 , 24, 10560-4		2195
1101	Effect of nitrogen doping on the reduction of nitric oxide with activated carbon in the presence of oxygen. 2008 , 9, 113-117		5
1100	Surface Chemistry of Carbon Materials. 2008 , 45-92		17
1099	Desulfurization of Digester Gas on Wood-Based Activated Carbons Modified with Nitrogen: Importance of Surface Chemistry. 2008 , 22, 850-859		29
1098	Role of Microporosity and Nitrogen Functionality on the Surface of Activated Carbon in the Process of Desulfurization of Digester Gas. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 4704-4711	3.8	39
1097	High surface area carbons as acidic components with CuZnO/Al2O3 for the reforming of dimethoxymethane. 2008 , 9, 801-806		12
1096	Preparation of Hemp-Derived Activated Carbon Monoliths. Adsorption of Water Vapor. 2008 , 47, 1288-1296		78

1095	New biosorbent materials for heavy metal removal: product development guided by active site characterization. 2008 , 42, 2953-62		60
1094	Supercapacitance of Solid Carbon Nanofibers Made from Ethanol Flames. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 3612-3618	3.8	74
1093	Surface characterization and SO ₂ removal activity of activated semi-coke with heat treatment. 2008 , 23, 37-43		43
1092	Natural Organic Matter Adsorption onto Granular Activated Carbons: Implications in the Molecular Weight and Disinfection Byproducts Formation. 2008 , 47, 7868-7876		27
1091	Well-dispersed high-loading Pt nanoparticles supported by shell-core nanostructured carbon for methanol electrooxidation. 2008 , 24, 3566-75		203
1090	Adsorption of Methylene Blue and Phenol by Wood Waste Derived Activated Carbon. 2008 , 134, 338-345		23
1089	Chemical Surface Treatment for Highly Improved Dispersibility of Multi-Walled Carbon Nanotubes in Water. 2008 , 29, 426-430		14
1088	Electrochemical Capacitance of Nitrogen-Containing Nanocarbons Prepared Using Porous Anodic Alumina Template. 2008 , 76, 197-202		1
1087	The Adsorption of α -Amylase onto Activated Carbon Modified by Nitrocellulose Combustion and its Resulting Hydrolysis Activity towards Starch. 2008 , 26, 303-309		0
1086	Surface Chemical Functional Groups Modification of Porous Carbon. 2008 , 1, 27-40		338
1085	Characterization by SEM, TEM and Quantum-Chemical Simulations of the Spherical Carbon with Nitrogen (SCN) Active Carbon Produced by Thermal Decomposition of Poly(vinylpyridine-divinylbenzene) Copolymer. 2009 , 2, 1239-1251		12
1084	Silver-supporting Modification of Viscose Rayon-Based Activated Carbon Fabrics. 2009 , 79, 1486-1501		9
1083	Adsorption of hydrogen sulfide on graphite derived materials modified by incorporation of nitrogen. 2009 , 113, 946-952		30
1082	The use of a dynamic hydrogen electrode as an electrochemical tool to evaluate plasma activated carbon as electrocatalyst support for direct methanol fuel cell. 2009 , 44, 51-56		9
1081	Nitrogen-Enriched Nonporous Carbon Electrodes with Extraordinary Supercapacitance. 2009 , 19, 1800-1809		664
1080	Combined Effect of Nitrogen- and Oxygen-Containing Functional Groups of Microporous Activated Carbon on its Electrochemical Performance in Supercapacitors. 2009 , 19, 438-447		1287
1079	Activated carbons from peach stones and pine sawdust by phosphoric acid activation used in clarification and decolorization processes. 2009 , 84, 39-47		31
1078	Removal of some hazardous materials from their solutions using active carbon-filled poly vinyl alcohol/N-vinyl pyrrolidone membrane subjected to freeze thawing and gamma irradiation. 2009 , 114, 149-156		1

1077	Characterization and electrochemical applications of a carbon with high density of surface functional groups produced from beer yeast. 2009 , 13, 887-893		22
1076	Simultaneous pentachlorophenol decomposition and granular activated carbon regeneration assisted by dielectric barrier discharge plasma. 2009 , 172, 472-8		55
1075	Changes in material properties and surface fractality of multi-walled carbon nanotubes modified by heat and acid treatments. 2009 , 44, 2780-2791		5
1074	Atomic layer deposition of platinum nanoparticles on carbon nanotubes for application in proton-exchange membrane fuel cells. 2009 , 5, 1535-8		160
1073	The corrosion of PEM fuel cell catalyst supports and its implications for developing durable catalysts. <i>Electrochimica Acta</i> , 2009 , 54, 3109-3114	6.7	92
1072	HEMP-derived activated carbon fibers by chemical activation with phosphoric acid. <i>Fuel</i> , 2009 , 88, 19-26	7.1	165
1071	Development of low-cost biomass-based adsorbents for postcombustion CO ₂ capture. <i>Fuel</i> , 2009 , 88, 2442-2447	7.1	166
1070	XPS study and physico-chemical properties of nitrogen-enriched microporous activated carbon from high volatile bituminous coal. <i>Fuel</i> , 2009 , 88, 1871-1877	7.1	217
1069	In situ modification of activated carbons developed from a native invasive wood on removal of trace toxic metals from wastewater. 2009 , 161, 217-23		51
1068	Adsorption of naphthalene from aqueous solution on activated carbons obtained from bean pods. 2009 , 161, 1150-6		78
1067	Effects of structural and surface energetic heterogeneity properties of novel corn grain-based activated carbons on dye adsorption. 2009 , 118, 232-238		29
1066	Nitrogen modified carbide-derived carbons as adsorbents of hydrogen sulfide. 2009 , 330, 60-6		25
1065	The effects of urea modification and heat treatment on the process of NO ₂ removal by wood-based activated carbon. 2009 , 333, 97-103		89
1064	A novel electrocatalyst support with proton conductive properties for polymer electrolyte membrane fuel cell applications. 2009 , 191, 330-337		23
1063	Characterization of nitric acid functionalized carbon black and its evaluation as electrocatalyst support for direct methanol fuel cell applications. 2009 , 355, 132-138		60
1062	Isocyanate-modified TiO ₂ visible-light-activated photocatalyst. 2009 , 88, 165-172		35
1061	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
1060	Preparation and characterization of carbon based acid catalysts for the dehydration of 2-propanol. <i>Carbon</i> , 2009 , 47, 286-294	10.4	110

1059	Effects of surface chemistry on the reactive adsorption of hydrogen cyanide on activated carbons. <i>Carbon</i> , 2009 , 47, 2456-2465	10.4	19
1058	Porous Carbon Obtained by Carbonization of PET Mixed with Basic Magnesium Carbonate: Pore Structure and Pore Creation Mechanism. 2009 , 48, 7110-7116		39
1057	Evaluation of the Adsorption of Aquatic Humic Substances in Batch and Column Experiments by Thermally Modified Activated Carbons. 2009 , 48, 5445-5453		8
1056	Revisiting the chemistry of graphite oxides and its effect on ammonia adsorption. 2009 , 19, 9176		215
1055	Surface characterization of acid-oxidized multi-walled carbon nanotubes. 2009 , 91, 1413-1427		3
1054	On the Nature of Oxygen-Containing Surface Groups on Carbon Nanofibers and Their Role for Platinum Deposition—An XPS and Titration Study. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9865-9869	3.8	91
1053	Large-diameter and water-dispersible single-walled carbon nanotubes: synthesis, characterization and applications. 2009 , 19, 3033		71
1052	Structural evolution and electrocatalytic application of nitrogen-doped carbon shells synthesized by pyrolysis of near-monodisperse polyaniline nanospheres. 2009 , 19, 5985		91
1051	Influence of the Precursor Metamorphism Degree on Preparation of Nitrogen-enriched Activated Carbons by Ammoxidation and Chemical Activation of Coals. 2009 , 23, 2205-2212		39
1050	Characterization of surface modified carbon nanoparticles by low temperature plasma treatment. <i>Diamond and Related Materials</i> , 2009 , 18, 1316-1320	3.5	14
1049	Treatment of Micropollutants in Water and Wastewater. 2010 , 9,		17
1048	Cadmium(II) adsorption by activated carbon: batch studies and reversibility. 2010 , 12, 257		1
1047	Hydrothermal synthesis of ionic liquid [Bmim]OH-modified TiO ₂ nanoparticles with enhanced photocatalytic activity under visible light. 2010 , 5, 1171-7		44
1046	A review on surface modification of activated carbon for carbon dioxide adsorption. 2010 , 89, 143-151		675
1045	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
1044	A novel methyl parathion electrochemical sensor based on acetylene black-chitosan composite film modified electrode. 2010 , 147, 587-592		28
1043	Removal of rotenone insecticide by adsorption onto chemically modified activated carbons. 2010 , 181, 692-9		28
1042	Electrocatalytic activity of Pt nanoparticles electrodeposited on amorphous carbon-coated silicon nanocones. 2010 , 195, 729-735		19

1041	Removal of NO using surface modified activated carbon fiber (ACF) by impregnation and heat-treatment of propellant waste. 2010 , 27, 1882-1886		16
1040	Modification of expanded graphite resulting in enhancement of electrochemical activity in the process of phenol oxidation. 2010 , 40, 91-98		14
1039	Textural characteristics, surface chemistry and oxidation of activated carbon. 2010 , 19, 267-279		109
1038	Iron and Copper Containing Oxygen Reduction Catalysts From Templated Glucose-Histidine. 2010 , 10, 251-258		18
1037	High Power Density Electric Double Layer Capacitor with Improved Activated Carbon. 2010 , 21, 101-104		
1036	Polysaccharide-Derived Carbons for Polar Analyte Separations. 2010 , 20, 1834-1841		75
1035	Kinetic study of the decomposition of 2-butanol on carbon-based acid catalyst. 2010 , 56, 1557-1568		49
1034	Developing almond shell-derived activated carbons as CO ₂ adsorbents. 2010 , 71, 102-106		148
1033	Preparation of TiO ₂ -loaded activated carbon fiber hybrids and application in a pulsed discharge reactor for decomposition of methyl orange. 2010 , 347, 260-6		37
1032	Microstructure and electrochemical double-layer capacitance of carbon electrodes prepared by zinc chloride activation of sugar cane bagasse. 2010 , 195, 912-918		396
1031	A doped activated carbon prepared from polyaniline for high performance supercapacitors. 2010 , 195, 1516-1521		171
1030	Porous structure and sorption properties of nitrogen-containing activated carbon. <i>Fuel</i> , 2010 , 89, 2623-2627		46
1029	Nitrogen-enriched bituminous coal-based active carbons as materials for supercapacitors. <i>Fuel</i> , 2010 , 89, 3457-3467	7.1	51
1028	Adsorption characteristics of phenol on novel corn grain-based activated carbons. 2010 , 127, 1-8		49
1027	Hierarchical porous carbon obtained using the template of NaOH-treated zeolite and its high performance as supercapacitor. 2010 , 133, 106-114		39
1026	Mesostructured silica-carbon composites synthesized by employing surfactants as carbon source. 2010 , 134, 165-174		34
1025	The effect of support properties on the activity of Pd/C catalysts in the liquid-phase hydrodechlorination of chlorobenzene. 2010 , 379, 87-94		34
1024	Tuning of nitrogen-doped carbon nanotubes as catalyst support for liquid-phase reaction. 2010 , 380, 72-80		178

1023	p-Chlorophenol adsorption on activated carbons with basic surface properties. 2010 , 256, 4480-4487		41
1022	The low-temperature SCR of NO over rice straw and sewage sludge derived char. <i>Chemical Engineering Journal</i> , 2010 , 156, 321-327	14.7	78
1021	Methyl orange degradation by pulsed discharge in the presence of activated carbon fibers. <i>Chemical Engineering Journal</i> , 2010 , 159, 47-52	14.7	29
1020	The use of carbon nanotubes with and without nitrogen doping as support for ruthenium catalysts in the ammonia decomposition reaction. <i>Carbon</i> , 2010 , 48, 267-276	10.4	124
1019	The role of sulfur-containing groups in ammonia retention on activated carbons. <i>Carbon</i> , 2010 , 48, 654-667	10.4	85
1018	Structural and morphological control of aligned nitrogen-doped carbon nanotubes. <i>Carbon</i> , 2010 , 48, 1498-1507	10.4	316
1017	Specific anion and cation capacitance in porous carbon blacks. <i>Carbon</i> , 2010 , 48, 1767-1778	10.4	38
1016	Nanofibrous carbon with herringbone structure as an effective catalyst of the H ₂ S selective oxidation. <i>Carbon</i> , 2010 , 48, 2004-2012	10.4	32
1015	Effect of preparation method on the structure and catalytic property of activated carbon supported nickel oxide catalysts. <i>Carbon</i> , 2010 , 48, 4547-4555	10.4	50
1014	Aging of electrochemical double layer capacitors with acetonitrile-based electrolyte at elevated voltages. <i>Electrochimica Acta</i> , 2010 , 55, 4412-4420	6.7	135
1013	Influence of high-temperature treatment of granular activated carbon on its structure and electrochemical behavior in aqueous electrolyte solution. 2010 , 25, 1617-1628		12
1012	Properties of Nitrogen-Functionalized Ordered Mesoporous Carbon Prepared Using Polypyrrole Precursor. 2010 , 157, B1665		110
1011	Adsorption of Dibenzothiophenes on Nanoporous Carbons: Identification of Specific Adsorption Sites Governing Capacity and Selectivity. 2010 , 24, 3352-3360		79
1010	Terahertz Spectroscopy of Nanocrystal Carbon Nanotube and Graphene Oxide Hybrid Nanostructures. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 11258-11265	3.8	33
1009	Synthesis and systematic characterization of functionalized graphene sheets generated by thermal exfoliation at low temperature. 2010 , 43, 275402		85
1008	Mechanistic Insights into Copper Removal by Pyrolytic Tire Char through Equilibrium Studies. 2010 , 49, 4528-4534		6
1007	X-ray Photoelectron Spectroscopy Study of Nitrogen-Enriched Active Carbons Obtained by Ammoxidation and Chemical Activation of Brown and Bituminous Coals. 2010 , 24, 1197-1206		62
1006	Combined role of water and surface chemistry in reactive adsorption of ammonia on graphite oxides. 2010 , 26, 5491-8		38

1005	Effect of reductive property of activated carbon on total organic halogen analysis. 2010 , 44, 2105-11	53
1004	Preparation and Characterization of Carbons from Coffee Residue: Adsorption of Salicylic Acid on the Prepared Carbons. 2010 , 55, 728-734	42
1003	Adsorptive Removal of Phenol by Coffee Residue Activated Carbon and Commercial Activated Carbon: Equilibrium, Kinetics, and Thermodynamics. 2010 , 55, 4677-4686	28
1002	Characterization of Exhaust Particulates from a Dual Fuel Engine by TGA, XPS, and Raman Techniques. 2010 , 44, 954-963	30
1001	Interactions of NO ₂ and NO with carbonaceous adsorbents containing silver nanoparticles. 2010 , 26, 9457-64	24
1000	Metal-catalyzed graphitic nanostructures as sorbents for vapor-phase ammonia. 2011 , 21, 3477	18
999	Kinetics and Mechanism Study of Low-Temperature Selective Catalytic Reduction of NO with Urea Supported on Pitch-Based Spherical Activated Carbon. 2011 , 50, 6017-6027	18
998	Nitrogen Doping Effects on Carbon Nanotubes and the Origin of the Enhanced Electrocatalytic Activity of Supported Pt for Proton-Exchange Membrane Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 3769-3776	3,8 211
997	Nanoparticles and Polymer Nanocomposites. 2011 , 87-124	
996	Electrocatalytic activity of carbon spheres towards NADH oxidation at low overpotential and its applications in biosensors and biofuel cells. 2011 , 1, 1301	35
995	A sustainable synthesis of nitrogen-doped carbon aerogels. 2011 , 13, 2428	172
994	STRUCTURAL EFFECTS OF SKS ACTIVE CARBON MODIFICATION WITH MELAMINE, STUDIED BY SEM, TEM, EDX AND QUANTUM-CHEMICAL SIMULATIONS. 2011 , 25, 1377-1383	4
993	Removal of the Fermentation Inhibitor, Furfural, Using Activated Carbon in Cellulosic-Ethanol Production. 2011 , 50, 14055-14060	55
992	UV-ozone cleaning of supported poly(vinylpyrrolidone)-stabilized palladium nanocubes: effect of stabilizer removal on morphology and catalytic behavior. 2011 , 27, 7909-16	173
991	Supercapacitor performance of porous carbon nanofiber composites prepared by electrospinning polymethylhydrosiloxane (PMHS)/polyacrylonitrile (PAN) blend solutions. 2011 , 161, 1211-1216	58
990	Biochar Application to Soil. 2011 , 103-143	352
989	Simple modification of macroporous alumina supports for the fabrication of dense NaA zeolite coatings: Interplay of electrostatic and chemical interactions. 2011 , 146, 69-75	17
988	Supported nitrogen-modified Pd nanoparticles for the selective hydrogenation of 1-hexyne. 2011 , 279, 66-74	52

987	Preparation of Pt/C via a polyol process Investigation on carbon support adding sequence. 2011 , 36, 10490-10501		34
986	Hydrodeoxygenation of 2-methoxyphenol over Mo2N catalysts supported on activated carbons. 2011 , 172, 232-239		96
985	Exotemplating synthesis of nitrogen-doped carbon materials with hierarchically porous structure and their application for lysozyme adsorption. <i>Chemical Engineering Journal</i> , 2011 , 174, 452-460	14.7	10
984	Ultrasonic-assisted sodium hypochlorite oxidation of activated carbons for enhanced removal of Co(II) from aqueous solutions. <i>Chemical Engineering Journal</i> , 2011 , 175, 24-32	14.7	48
983	Visible Light Photocatalysis of BiOI and Its Photocatalytic Activity Enhancement by in Situ Ionic Liquid Modification. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14300-14308	3.8	249
982	The right kind of interior for multifunctional electrode architectures: carbon nanofoam papers with aperiodic submicrometre pore networks interconnected in 3D. 2011 , 4, 1913		98
981	Charge storage performance of doped carbons prepared from polyaniline for supercapacitors. 2011 , 15, 175-182		36
980	Activated carbon prepared from polyaniline base by K2CO3 activation for application in supercapacitor electrodes. 2011 , 15, 579-585		49
979	Selective catalytic reduction of NOx using RDF char and municipal solid waste char based catalyst. 2011 , 13, 173-179		10
978	Adsorption of oxygen-containing aromatics used in petrochemical, pharmaceutical and food industries by means of lignin based active carbons. 2011 , 17, 539-550		26
977	Adsorbent-adsorbate interactions in the adsorption of organic and inorganic species on ozonized activated carbons: a short review. 2011 , 17, 611-620		16
976	Importance of carbon surface chemistry in development of iron-carbon composite adsorbents for arsenate removal. 2011 , 186, 667-74		43
975	Preparation of mesoporous carbons from amphiphilic carbonaceous material for high-performance electric double-layer capacitors. 2011 , 196, 550-558		76
974	Effect of activated carbons derived from different precursors on the hydrogen sorption properties of magnesium. 2011 , 92, 1963-1969		11
973	Preparation and characterization of low energy post-pyrolysis oxygenated tire char. <i>Chemical Engineering Journal</i> , 2011 , 170, 194-201	14.7	23
972	Enhancement in dibenzothiophene reactive adsorption from liquid fuel via incorporation of sulfur heteroatoms into the nanoporous carbon matrix. 2011 , 4, 139-47		51
971	In Situ one-step electrochemical preparation of graphene oxide nanosheet-modified electrodes for biosensors. 2011 , 4, 1587-91		63
970	Desulfurization of diesel fuels by selective adsorption on activated carbons: Competitive adsorption of polycyclic aromatic sulfur heterocycles and polycyclic aromatic hydrocarbons. <i>Chemical Engineering Journal</i> , 2011 , 166, 207-217	14.7	143

969	Preparation and characterizations of microwave assisted activated carbons from industrial waste lignin for Cu(II) sorption. <i>Chemical Engineering Journal</i> , 2011 , 168, 1103-1111	14.7	95
968	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
967	Thermal conversion of alkaline lignin and its structured derivatives to porous carbonized materials. 2011 , 102, 6279-85		65
966	Investigation of the enhancing effects of sulfur and/or oxygen functional groups of nanoporous carbons on adsorption of dibenzothiophenes. <i>Carbon</i> , 2011 , 49, 1216-1224	10.4	54
965	Activated carbon based selective purification of medical grade NO starting from arc discharge method. <i>Carbon</i> , 2011 , 49, 2197-2205	10.4	7
964	Removal of dibenzothiophenes from model diesel fuel on sulfur rich activated carbons. 2011 ,		8
963	Ammonia modification of activated carbon to enhance carbon dioxide adsorption: Effect of pre-oxidation. 2011 , 257, 3936-3942		237
962	Activated carbon modifications to enhance its water treatment applications. An overview. 2011 , 187, 1-23		387
961	Removal of copper by oxygenated pyrolytic tire char: kinetics and mechanistic insights. 2011 , 356, 203-10		11
960	Activated carbon fibers with a high content of surface functional groups by phosphoric acid activation of PPTA. 2011 , 361, 307-15		49
959	On the potential of long carbon nanotube forest for sensing gases and vapors. 2011 , 43, 1199-1207		9
958	Exploring Potential Methods for Anchoring Amine Groups on the Surface of Activated Carbon for CO ₂ Adsorption. 2011 , 46, 1098-1112		46
957	Direct Synthesis of Phenol from Benzene on an Activated Carbon Catalyst Treated with Nitric Acid. 2011 , 24, 358-364		16
956	Methylene Blue Sorption onto Oxygenated Pyrolytic Tire Char: Equilibrium and Kinetic Studies. 2011 , 137, 833-841		7
955	Adsorption of H ₂ S and SO ₂ on Activated Carbon Fibers Modified by Ammonium Nitrate. 2011 , 675-677, 1065-1068		2
954	Removal of Cobalt-60 and Caesium-134 Ions from Contaminated Solutions by Sorption Using Activated Carbon. 2011 , 29, 331-344		13
953	Tailoring the Surface Chemistry of Activated Carbon by Nitric Acid: Study Using Response Surface Method. 2011 , 84, 1251-1260		22
952	The Study on Moisture Adsorption of Oxidized Activated Carbon. 2012 , 581-582, 233-237		

951	Preparation of Activated Carbon Loading Nano-ZnO and Desulfurization Properties under Room Temperature. 2012 , 177-183		2
950	Evaluation of granulated activated carbons and carbon molecular sieves for adsorption of urea in urine: A water reclamation approach. 2012 ,		
949	Modification of Glassy Carbon Electrode by Electrografting of In Situ Generated 3-diazopyridinium Cations. 2012 , 159, H758-H764		14
948	Synthesis and Characterization of Double Pore Size Multiphase Materials from Waste Aluminum Slag and Activated Carbon. 2012 , 512-515, 626-630		
947	Understanding high-yield catalyst-free growth of horizontally aligned single-walled carbon nanotubes nucleated by activated C60 species. 2012 , 6, 10825-34		22
946	Effects of pretreatment on the surface chemistry and pore size properties of nitrogen functionalized and alkylated granular activated carbon. 2012 , 263, 247-253		12
945	Construction of highly ordered ZnO-TiO ₂ nanotube arrays (ZnO/TNTs) heterostructure for photocatalytic application. 2012 , 4, 7055-63		251
944	Changes in surface chemistry of carbon materials upon electrochemical measurements and their effects on capacitance in acidic and neutral electrolytes. 2012 , 5, 2188-99		21
943	Adsorption of SO ₂ onto waste cork powder-derived activated carbons. <i>Chemical Engineering Journal</i> , 2012 , 211-212, 60-67	14.7	54
942	Flow-through immobilization of <i>Candida rugosa</i> lipase on hierarchical micro-/macroporous carbon monolith. 2012 , 75, 80-85		5
941	Hydroxylation of Benzene by Activated Carbon Catalyst. 2012 , 33, 1622-1630		23
940	Relationships between structure and activity of carbon as a multifunctional support for electrocatalysts. 2012 , 14, 9475-85		18
939	On the Nature of Surface Vanadium Oxide Species on Carbons. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 20396-20403	3.8	12
938	Formation of active sites for oxygen reduction reactions by transformation of nitrogen functionalities in nitrogen-doped carbon nanotubes. 2012 , 6, 8904-12		479
937	Hydrodeoxygenation of guaiacol over carbon-supported molybdenum nitride catalysts: Effects of nitriding methods and support properties. 2012 , 439-440, 111-124		104
936	NO oxidation over nitrogen doped carbon xerogels. 2012 , 125, 398-408		63
935	N-containing carbons from styrene-divinylbenzene copolymer by urea treatment. 2012 , 258, 2410-2415		7
934	Liquid phase aerobic oxidation of benzyl alcohol over Pd and Rh catalysts on N-doped mesoporous carbon: Effect of the surface acido-basicity. 2012 , 25, 96-101		34

933	Preparation of activated carbon from lotus stalks with the mixture of phosphoric acid and pentaerythritol impregnation and its application for Ni(II) sorption. <i>Chemical Engineering Journal</i> , 2012 , 209, 155-162	14.7	79
932	Hydrothermal carbonization as an effective way of densifying the energy content of biomass. 2012 , 103, 78-83		185
931	Nanostructured metal-free electrochemical catalysts for highly efficient oxygen reduction. 2012 , 8, 3550-66		518
930	Improved electrochemical performance of Fe ₂ O ₃ nanoparticles confined in carbon nanotubes. 2012 , 22, 13756		128
929	Chemical and microscopic analysis of graphene prepared by different reduction degrees of graphene oxide. 2012 , 536, S532-S537		64
928	Influence of the carbon fiber surface microstructure on the surface chemistry generated by a thermo-chemical surface treatment. 2012 , 261, 473-480		35
927	Impact of fuel formulation on the nanostructure and reactivity of diesel soot. 2012 , 159, 3597-3606		210
926	Electrospun vanadium pentoxide/carbon nanofiber composites for supercapacitor electrodes. <i>Electrochimica Acta</i> , 2012 , 83, 335-340	6.7	75
925	Research on Adsorption of H ₂ S by Modified Activated Carbon. 2012 , 463-464, 128-132		0
924	Preparation of Mo-Embedded Mesoporous Carbon Microspheres for Friedel-Crafts Alkylation. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 7767-7775	3.8	39
923	Sorption removal of cephalixin by HNO ₃ and H ₂ O ₂ oxidized activated carbons. 2012 , 55, 1959-1967		28
922	Oxygen hole doping of nanodiamond. 2012 , 4, 6792-9		52
921	The Basicity of Carbons. 2012 , 173-203		9
920	Block Copolymer Templating as a Path to Porous Nanostructured Carbons with Highly Accessible Nitrogens for Enhanced (Electro)chemical Performance. 2012 , 213, 1078-1090		66
919	Epoxide Speciation and Functional Group Distribution in Graphene Oxide Paper-Like Materials. 2012 , 22, 3950-3957		65
918	Carbonized Chicken Eggshell Membranes with 3D Architectures as High-Performance Electrode Materials for Supercapacitors. 2012 , 2, 431-437		510
917	The surface structure and chemical characters of activated carbon fibers modified by plasma. 2012 , 7, S245-S252		19
916	The examination of surface chemistry and porosity of carbon nanostructured adsorbents for 1-naphthol removal from petrochemical wastewater streams. 2012 , 29, 743-749		7

915	Characterisation of Activated Carbons with High Surface Area and Variable Porosity Produced from Agricultural Cotton Waste by Chemical Activation and Co-activation. 2012 , 3, 117-130		13
914	Effect of nickel catalyst on physicochemical properties of carbon xerogels as electrode materials for supercapacitor. 2012 , 12, 911-918		13
913	Investigating the influence of surfactants on the stabilization of aqueous reduced graphene oxide dispersions and the characteristics of their composite films. <i>Carbon</i> , 2012 , 50, 3184-3194	10.4	81
912	A simple method for determining the neutralization point in Boehm titration regardless of the CO ₂ effect. <i>Carbon</i> , 2012 , 50, 3315-3323	10.4	37
911	Preparation of nitrogen-doped porous carbon by ammonia gas treatment and the effects of N-doping on water adsorption. <i>Carbon</i> , 2012 , 50, 1833-1842	10.4	185
910	The effect of reduction time on the surface functional groups and supercapacitive performance of graphene nanosheets. <i>Carbon</i> , 2012 , 50, 3724-3730	10.4	59
909	Towards understanding reactive adsorption of small molecule toxic gases on carbonaceous materials. 2012 , 186, 20-28		21
908	Highly stable Fe on activated carbon catalysts for CWPO upon FeCl ₃ activation of lignin from black liquors. 2012 , 187, 115-121		69
907	Activated carbon as a catalyst for the synthesis of N-alkylimidazoles and imidazolium ionic liquids. 2012 , 187, 108-114		21
906	Surface chemistry and porosity of nitrogen-containing activated carbons produced from acrylic textile waste. <i>Chemical Engineering Journal</i> , 2012 , 184, 228-237	14.7	36
905	Pd-Gardenia-TiO ₂ as a photocatalyst for H ₂ evolution from pure water. 2012 , 37, 109-114		25
904	Syngas production from pyrolysis catalytic steam reforming of waste biomass in a continuous screw kiln reactor. 2012 , 95, 87-94		91
903	Ageing of electrochemical double layer capacitors. 2012 , 203, 262-273		88
902	Improving the electrocapacitive properties of mesoporous CMK-5 carbon with carbon nanotubes and nitrogen doping. 2012 , 147, 86-93		48
901	A rapid hard template method for the synthesis of N-doped mesoporous carbon replicated from TUD-1. 2012 , 158, 99-107		31
900	Nitrogen-doped carbon nanotubes as a highly active metal-free catalyst for selective oxidation. 2012 , 5, 102-8		145
899	Biochar role as an alternative N-fertilizer: ammonia capture. 2012 , 350, 35-42		197
898	Carbon Tetrachloride Cold Plasma for Extensive Chlorination of Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 16677-16685	3.8	23

897	Nitrogen plasma functionalization of carbon nanotubes for supercapacitor applications. 2013 , 48, 7620-7628	63
896	Effects of pore structure in nitrogen functionalized mesoporous carbon on oxygen reduction reaction activity of platinum nanoparticles. <i>Carbon</i> , 2013 , 60, 28-40	10.4 13
895	Temperature controlled surface chemistry of nitrogen-doped mesoporous carbon and its influence on Pt ORR activity. 2013 , 464-465, 233-242	25
894	Influence of NH ₃ /CO ₂ Modification on the Characteristic of Biochar and the CO ₂ Capture. 2013 , 6, 1147-1153	83
893	Insight into the role of the oxidized graphite precursor on the properties of copper-based MOF/graphite oxide composites. 2013 , 179, 205-211	21
892	Synergetic effect of carbon nanopore size and surface oxidation on CO ₂ capture from CO ₂ /CH ₄ mixtures. 2013 , 397, 144-53	38
891	Low-cost adsorbents from bio-waste for the removal of dyes from aqueous solution. 2013 , 20, 4111-24	60
890	Preparation and electrochemical performance of heteroatom-enriched electrospun carbon nanofibers from melamine formaldehyde resin. 2013 , 395, 217-23	35
889	Preparation and characterization of the electroactive composites containing nickel nanoparticles and carbon nanotubes. <i>Electrochimica Acta</i> , 2013 , 90, 563-572	6.7 9
888	Effects of ammonization on the surface physico-chemical properties of sludge-based activated carbon. 2013 , 280, 590-597	18
887	Simulated degradation of biochar and its potential environmental implications. 2013 , 179, 146-52	61
886	Anchoring a halogenated amine on the surface of a microporous activated carbon for carbon dioxide capture. 2013 , 44, 774-779	34
885	Kinetics and equilibrium study of phenol adsorption on nitrogen-enriched activated carbons. <i>Fuel</i> , 2013 , 114, 235-243	7.1 90
884	Nitrogen-doped carbon based on peptides of hair as electrode materials for supercapacitors. <i>Electrochimica Acta</i> , 2013 , 113, 620-627	6.7 44
883	Advanced lignin-acrylamide water treatment agent by pulp and paper industrial sludge: synthesis, properties and application. 2013 , 25, 2367-77	38
882	Investigation of adsorption performance on 1,2-dichloroethane by heat and acid modified activated carbon. <i>Journal of Environmental Chemical Engineering</i> , 2013 , 1, 131-136	6.8 9
881	Influence of wet oxidation of herringbone carbon nanofibers on the pseudocapacitance effect. <i>Carbon</i> , 2013 , 64, 324-333	10.4 38
880	Efficiency of locally prepared activated carbon in the preconcentration of barium-133 and radium-226 radionuclides in single and binary systems. 2013 , 55, 589-595	16

879	Superior capacitive and electrocatalytic properties of carbonized nanostructured polyaniline upon a low-temperature hydrothermal treatment. <i>Carbon</i> , 2013 , 64, 472-486	10.4	62
878	Wide electrochemical window of supercapacitors from coffee bean-derived phosphorus-rich carbons. 2013 , 6, 2330-9		111
877	Electrospun carbon nanofibres as electrode materials toward VO ₂ ⁺ /VO ₂ ⁺ redox couple for vanadium flow battery. 2013 , 241, 709-717		55
876	CO ₂ adsorption on chemically modified activated carbon. 2013 , 252-253, 19-28		73
875	Highly dispersed ultrafine Pt nanoparticles on hydrophilic N-doped carbon tubes for improved methanol oxidation. 2013 , 3, 16949		46
874	Self-assembly of hierarchically ordered CdS quantum dots@TiO ₂ nanotube array heterostructures as efficient visible light photocatalysts for photoredox applications. 2013 , 1, 12229		83
873	Biomembrane derived porous carbon film supported Au nanoparticles for highly reproducible surface-enhanced Raman scattering. 2013 , 37, 3131		5
872	Tuning the porous texture and specific surface area of nanoporous carbons for supercapacitor electrodes by adjusting the hydrothermal synthesis temperature. 2013 , 1, 12962		33
871	Nitrogen-enriched waste medium density fiberboard-based activated carbons as materials for supercapacitors. 2013 , 43, 617-622		28
870	Simple preparation of nanoporous few-layer nitrogen-doped graphene for use as an efficient electrocatalyst for oxygen reduction and oxygen evolution reactions. <i>Carbon</i> , 2013 , 53, 130-136	10.4	298
869	Physical and chemical modified forms of palm shell: preparation, characterization and preliminary assessment as adsorbents. 2013 , 20, 21-36		9
868	Stability of carbon fiber surface functionality at elevated temperatures and its influence on interfacial adhesion. 2013 , 268, 61-72		33
867	Reduction of [Fe(III)EDTA] catalyzed by activated carbon modified with KOH solution. 2013 , 19, 784-790		10
866	Selective ring CH bonds activation of toluene over Fe/activated carbon catalyst. 2013 , 377, 143-153		17
865	Influence of nitrogen doping on carbon nanotubes towards the structure, composition and oxygen reduction reaction. 2013 , 38, 9421-9430		43
864	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
863	Calcium-promoted catalytic activity of potassium carbonate for steam gasification of coal char: Effect of hydrothermal pretreatment. <i>Fuel</i> , 2013 , 109, 14-20	7.1	27
862	Cu(II) removal from aqueous solution by <i>Spartina alterniflora</i> derived biochar. 2013 , 141, 83-8		140

861	High-performance supercapacitor based on nitrogen-doped porous carbon derived from zinc(II)-bis(8-hydroxyquinoline) coordination polymer. 2013 , 393, 241-8		26
860	Supercapacitive performance of nitrogen-enriched carbons from carbonization of polyaniline/activated mesocarbon microbeads. 2013 , 227, 1-7		43
859	Integrated basic treatment of activated carbon for enhanced CO ₂ selectivity. 2013 , 286, 306-313		14
858	Application of as-synthesized Co/Al layered double hydroxides for the preparation of the electroactive composites containing N-doped carbon nanotubes. 2013 , 72, 163-174		15
857	Investigation of defects generated in vertically oriented graphene. <i>Carbon</i> , 2013 , 64, 92-100	10.4	46
856	Improvement of activated carbons as oxygen reduction catalysts in neutral solutions by ammonia gas treatment and their performance in microbial fuel cells. 2013 , 242, 756-761		85
855	Air-cathode preparation with activated carbon as catalyst, PTFE as binder and nickel foam as current collector for microbial fuel cells. 2013 , 92, 22-6		111
854	An overview of the modification methods of activated carbon for its water treatment applications. <i>Chemical Engineering Journal</i> , 2013 , 219, 499-511	14.7	614
853	Plasma treated activated carbon impregnated with silver nanoparticles for improved antibacterial effect in water disinfection. <i>Carbon</i> , 2013 , 57, 1-10	10.4	80
852	The effects of surface modification on the supercapacitive behaviors of novel mesoporous carbon derived from rod-like hydroxyapatite template. <i>Electrochimica Acta</i> , 2013 , 89, 400-406	6.7	81
851	Functionalization of porous carbons for catalytic applications. 2013 , 1, 9351		177
850	An Insight Into the Production, Characterization, and Mechanisms of Action of Low-Cost Adsorbents for Removal of Organics From Aqueous Solution. 2013 , 43, 443-549		27
849	Preparation of nitrogen-containing carbon nanotubes and study of their performance as basic catalysts. 2013 , 458, 155-161		32
848	Polymer Electrolyte Membrane Fuel Cells (PEM-FC) and Non-noble Metal Catalysts for Oxygen Reduction. 2013 , 519-575		0
847	The effects of a microwave heating method on the production of activated carbon from agricultural waste: A review. 2013 , 100, 1-11		204
846	Highly compressed nanosolution restricted in cylindrical carbon nanospaces. 2013 , 5, 2080-8		7
845	Influence of thermal history on the mechanical properties of carbon fiber/acrylate composites cured by electron beam and thermal processes. 2013 , 45, 162-172		30
844	Chemical Reactivity and Surface Treatment. 2013 , 461-502		0

843	Effect of carbon nanofiber surface groups on oxygen reduction reaction of supported Pt electrocatalyst. <i>Electrochimica Acta</i> , 2013 , 89, 157-162	6.7	27
842	Lithium storage performance of carbon nanotubes with different nitrogen contents as anodes in lithium ions batteries. <i>Electrochimica Acta</i> , 2013 , 105, 75-82	6.7	74
841	Functional zeolitic-imidazolate-framework-templated porous carbon materials for CO ₂ capture and enhanced capacitors. 2013 , 8, 1879-85		110
840	A novel biomass coated Ag ₃ IO ₂ composite as a photoanode for enhanced photocurrent in dye-sensitized solar cells. 2013 , 3, 6369		53
839	Synthesis and electrocatalytic performance of nitrogen-doped macroporous carbons. 2013 , 1, 9469		25
838	Adsorptive Removal of Thiophenic Compounds from Oils by Activated Carbon Modified with Concentrated Nitric Acid. 2013 , 27, 1499-1505		59
837	Adsorption of SO ₂ and chlorobenzene on activated carbon. 2013 , 19, 1109-1116		23
836	Changes in nitrogen functionality due to solvent extraction of coal during HyperCoal production. 2013 , 106, 275-280		33
835	Effects of Concentration and Adsorption Product on the Adsorption of SO ₂ and NO on Activated Carbon. 2013 , 27, 360-366		47
834	Oxidative modifications of rice hull-based carbons for dibenzothiophene adsorptive removal. 2013 , 212, 31-37		28
833	Diphenyl viologen on an HOPG electrode surface: less sharp redox wave than dibenzyl viologen. 2013 , 29, 11516-24		16
832	Influence of an oxidation of the carbon fiber surface by boiling nitric acid on the adhesion strength in carbon fiber-acrylate composites cured by electron beam. 2013 , 45, 722-741		28
831	CHAPTER 2: Activated Carbon from Biomass for Water Treatment. 2013 , 46-105		4
830	Plasma Modification of Activated Carbon Fibers for Adsorption of SO ₂ . 2013 , 15, 1047-1052		16
829	Modification of the Carbon Fiber Surface by Oxygen Plasma and its Influence on Adhesion Strength in Acrylate-Based Composites Cured by Electron Beam and Ultra Violet Light. 2013 , 89, 460-485		10
828	Fabrication of polymer/microwave-reduced graphite oxide nanocomposites by ball-milling assisted wet compounding. 2013 , 34, 592-597		6
827	Non-noble metal-carbonized Nitrogen-doped aerogel composites as electrocatalysts for the oxygen reduction reaction. 2013 ,		
826	Grafting acrylate functionalities at the surface of carbon fibers to improve adhesion strength in carbon fiber-acrylate composites cured by electron beam. 2013 , 27, 2352-2366		5

825	Modification of Activated Carbon by Means of Microwave Heating and Its Effects on the Pore Texture and Surface Chemistry. 2013 , 5, 1791-1795	10
824	Modification of Activated Carbon by Means of Microwave Heating and its Effects on the Pore Texture and Surface Chemistry. 2013 , 5, 1836-1840	8
823	Water plasma functionalized CNTs/MnO ₂ composites for supercapacitors. 2013 , 2013, 832581	12
822	Characterization of Surface Functional Groups in Corn Stover Biochar Derived from Microwave-assisted Pyrolysis. 2014 ,	
821	Degradation of Dye Wastewater by Pulsed High-Voltage Discharge Combined with Spent Tea Leaves. 2014 , 16, 1135-1140	1
820	Detailed carbon chemistry in charcoals from pre-European Māori gardens of New Zealand as a tool for understanding biochar stability in soils. 2014 , 65, 83-95	24
819	Microcolumn adsorption studies of acid/basic dyes related to the physicochemical properties of the adsorbent. 2014 , 130, 62-72	2
818	Carbon Nanotube-Polypyrrole Composite Electrode Materials Produced In Situ by Electron Bombardment in Radio-Frequency Plasma Afterglows. 2014 , 11, 222-231	4
817	Reduction of [Fe(III)EDTA] catalyzed by activated carbon modified with ammonia solution. 2014 , 33, 99-106	6
816	Effect of the resorcinol/catalyst ratio in the capacitive performance of carbon xerogels with potential use in sodium chloride removal from saline water. 2014 , 18, 2847-2856	11
815	Effects of preparation temperature on electrochemical performance of nitrogen-enriched carbons. 2014 , 24, 3541-3550	5
814	Facile fabrication of three-dimensional graphene/carbon nanotube sandwich structures. 2014 , 101, 271-274	17
813	A novel method for metal oxide deposition on carbon aerogels with potential application in capacitive deionization of saline water. <i>Electrochimica Acta</i> , 2014 , 135, 208-216	6.7 69
812	Reactivity of mesoporous carbon against water [An in-situ XPS study]. <i>Carbon</i> , 2014 , 77, 175-183	10.4 79
811	Biomass-derived N-doped carbon and its application in electrocatalysis. 2014 , 154-155, 177-182	45
810	Amide-functionalized carbon supports for cobalt oxide toward oxygen reduction reaction in Zn-air battery. 2014 , 148-149, 212-220	29
809	Effect of UV-C on pre-oxidation prior amination for preparation of a selective CO ₂ adsorbent. 2014 , 105, 191-198	9
808	Adsorption of NO on ordered mesoporous carbon and its improvement by cerium. 2014 , 4, 16281	24

807	Surface modification of carbon black nanoparticles by dodecylamine: Thermal stability and phase transfer in brine medium. <i>Carbon</i> , 2014 , 72, 287-295	10.4	50
806	Highly stable iron catalysts from sewage sludge for CWPO. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 2359-2364	6.8	27
805	Production Factors Controlling the Physical Characteristics of Biochar Derived from Phytoremediation Willow for Agricultural Applications. 2014 , 7, 371-380		20
804	Supercapacitors based on high-surface-area graphene. 2014 , 57, 278-283		19
803	The effect of temperature on the morphology and chemical surface properties of nitrogen-doped carbon nanotubes. <i>Carbon</i> , 2014 , 68, 369-379	10.4	90
802	Hydrodeoxygenation of guaiacol over ReS ₂ /activated carbon catalysts. Support and Re loading effect. 2014 , 475, 427-437		38
801	Graphene production via electrochemical reduction of graphene oxide: Synthesis and characterisation. <i>Chemical Engineering Journal</i> , 2014 , 251, 422-434	14.7	388
800	High-performance supercapacitor electrodes based on porous flexible carbon nanofiber paper treated by surface chemical etching. <i>Chemical Engineering Journal</i> , 2014 , 249, 216-225	14.7	100
799	PtRu nanoparticles dispersed on nitrogen-doped carbon nanohorns as an efficient electrocatalyst for methanol oxidation reaction. <i>Electrochimica Acta</i> , 2014 , 132, 416-422	6.7	42
798	Carbon as catalyst and support for electrochemical energy conversion. <i>Carbon</i> , 2014 , 75, 5-42	10.4	359
797	Investigation of the Antifouling Properties of Phenyl Phosphorylcholine-Based Modified Gold Surfaces. 2014 , 26, 1471-1480		17
796	Surface properties of CNTs and their interaction with silica. 2014 , 413, 43-53		34
795	Nitrogen-doped hierarchical lamellar porous carbon synthesized from the fish scale as support material for platinum nanoparticle electrocatalyst toward the oxygen reduction reaction. 2014 , 6, 819-25		34
794	High surface area carbon nanofibers derived from electrospun PIM-1 for energy storage applications. 2014 , 2, 418-424		84
793	Effects of activated carbon properties on chlorobenzene adsorption and adsorption product analysis. <i>Chemical Engineering Journal</i> , 2014 , 236, 506-512	14.7	42
792	Electrochemical performance of binder-free carbon nanotubes with different nitrogen amounts grown on the nickel foam as cathodes in LiD ₂ batteries. 2014 , 2, 18746-18753		41
791	Controlled Synthesis of Ordered Mesoporous Carbohydrate-Derived Carbons with Flower-like Structure and N-Doping by Self-Transformation. <i>Chemistry of Materials</i> , 2014 , 26, 6872-6877	9.6	70
790	Hydrophobic conjugated microporous polymer as a novel adsorbent for removal of volatile organic compounds. 2014 , 2, 14028-14037		42

789	Enhanced photocatalytic CO ₂ reduction activity of electrospun mesoporous TiO ₂ nanofibers by solvothermal treatment. 2014 , 43, 9158-65	97
788	Nitrogen-Doped Carbon Networks for High Energy Density Supercapacitors Derived from Polyaniline Coated Bacterial Cellulose. 2014 , 24, 3953-3961	313
787	Recycling chicken eggshell membranes for high-capacity sodium battery anodes. 2014 , 4, 50950-50954	24
786	Easy procedure to prepare nitrogen-containing activated carbons for supercapacitors. 2014 , 4, 39037-39044	14
785	Highly mesoporous hierarchical nickel and cobalt double hydroxide composite: fabrication, characterization and ultrafast NO _x gas sensors at room temperature. 2014 , 2, 4961	66
784	Ammonia Treatment of Activated Carbon Powders for Supercapacitor Electrode Application. 2014 , 161, A568-A575	39
783	Enhanced stability and activity with Pd-O junction formation and electronic structure modification of palladium nanoparticles supported on exfoliated montmorillonite for the oxygen reduction reaction. 2014 , 50, 6660-3	24
782	Nitrogen- and oxygen-containing activated carbon nanotubes with improved capacitive properties. 2014 , 4, 5524	49
781	Preparation and application of coconut shell activated carbon immobilized palladium complexes. 2014 , 4, 1055	14
780	Improved electro-assisted removal of phosphates and nitrates using mesoporous carbon aerogels with controlled porosity. 2014 , 44, 963-976	21
779	Solid-solid grinding/templating route to magnetically separable nitrogen-doped mesoporous carbon for the removal of Cu(2+) ions. 2014 , 279, 280-8	20
778	Optical sensing of copper (II) ions using a biofunctional bolaamphiphile self-assembly: Selective binding of copper (II) ions to tyrosine moieties. 2014 , 203, 483-489	5
777	Toward new fuel cell support materials: a theoretical and experimental study of nitrogen-doped graphene. 2014 , 7, 2609-20	40
776	Colossal pseudocapacitance in a high functionality/high surface area carbon anode doubles the energy of an asymmetric supercapacitor. 2014 , 7, 1708-1718	320
775	Development of Coconut Shell Activated Carbon-Tethered Urease for Degradation of Urea in a Packed Bed. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 433-439	8.3 17
774	Support effects in high temperature Fischer-Tropsch synthesis on iron catalysts. 2014 , 488, 66-77	73
773	Activated nitrogen-doped carbons from polyvinyl chloride for high-performance electrochemical capacitors. 2014 , 18, 49-58	13
772	Study of Cr(VI) adsorption onto nitrogen-containing activated carbon preparation from bamboo processing residues. 2014 , 60, 215-224	16

771	Modified Carbon Materials for O ₂ Reduction Reaction Electrocatalysts in Acid PEM Fuel Cells. 2014 , 119-156	3
770	A novel impedimetric disposable immunosensor for rapid detection of a potential cancer biomarker. 2014 , 66, 273-80	34
769	Nitrogen-doped carbon nanotubes decorated silicon carbide as a metal-free catalyst for partial oxidation of H ₂ S. 2014 , 482, 397-406	42
768	Composite Electrode Boosts the Activity of Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O _{3-δ} -Perovskite and Carbon toward Oxygen Reduction in Alkaline Media. 2014 , 4, 1061-1070	96
767	Modification of tungsten trioxide with ionic liquid for enhanced photocatalytic performance. 2014 , 4, 37556-37562	23
766	Assessment of the surface chemistry of carbon blacks by TGA-MS, XPS and inverse gas chromatography using statistical chemometric analysis. 2014 , 316, 315-323	65
765	Catalytic Oxidative Carbonylation over Cu ₂ O Nanoclusters Supported on Carbon Materials: The Role of the Carbon Support. 2014 , 6, 2671-2679	33
764	Effect of the graphene phase presence in nanoporous S-doped carbon on photoactivity in UV and visible light. 2014 , 147, 842-850	22
763	Hierarchical porous carbons by liquid phase impregnation of zeolite templates with lignin solution. 2014 , 196, 68-78	42
762	Low-temperature SCR of NO with NH ₃ over activated semi-coke composite-supported rare earth oxides. 2014 , 309, 1-10	62
761	Influence of reaction atmosphere and solvent on biochar yield and characteristics. 2014 , 164, 177-83	33
760	Nitrogen- and oxygen-containing hierarchical porous carbon frameworks for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2014 , 134, 471-477	6.7 41
759	Flow micro-calorimetry and diffuse reflectance Fourier transform infrared spectroscopy studies in filled polyurethane adhesives by using dimethyl adipate as a model compound. 2014 , 48, 43-50	3
758	Plasma functionalization of carbon nanowalls and its effect on attachment of fibroblast-like cells. 2014 , 47, 265203	38
757	Nitrogen-doped carbon nanotubes on silicon carbide as a metal-free catalyst. 2014 , 35, 906-913	28
756	Capacitive Behaviours of Phosphorus-Rich Carbons Derived from Lignocelluloses. <i>Electrochimica Acta</i> , 2014 , 137, 219-227	6.7 70
755	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
754	Magnetic modification of microporous carbon for dye adsorption. 2014 , 430, 166-73	68

753	Pd nanoparticles prepared by grafting of Pd complexes on phenol-functionalized carbon supports for liquid phase catalytic applications. 2014 , 474, 263-271		10
752	Amino-functionalization of carbon fibers through electron-beam irradiation technique. 2014 , 131, n/a-n/a		13
751	Post-Combustion Carbon Capture. 2015 , 1-30		2
750	- Carbon Material Supported Nanostructures in Catalysis. 2015 , 172-197		1
749	Bifunctional Mesoporous Carbon Nitride: Highly Efficient Enzyme-like Catalyst for One-pot Deacetalization-Knoevenagel Reaction. 2015 , 5, 12901		23
748	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 , 122-171		2
747	Degradation Mechanisms of Electric Double Layer Capacitors with Activated Carbon Electrodes on High Voltage Exposure. 2015 , 83, 609-618		11
746	Aqueous leaching of organic acids and dissolved organic carbon from various biochars prepared at different temperatures. 2015 , 44, 684-95		48
745	Electrochemical recycling of gold nanofibrous membrane as an enzyme immobilizing carrier. <i>Chemical Engineering Journal</i> , 2015 , 280, 558-563	14.7	10
744	Design of Zeolitic Imidazolate Framework Derived Nitrogen-Doped Nanoporous Carbons Containing Metal Species for Carbon Dioxide Fixation Reactions. 2015 , 8, 3905-12		42
743	Surface characterization and electrical property of carbon fibers modified by air oxidation. 2015 , 47, 325-330		6
742	Defluoridation of waters using low-cost HNO ₃ activated carbon derived from stems of Senna Occidentalis plant. 2015 , 18, 420		21
741	Chitin-Derived Mesoporous, Nitrogen-Containing Carbon for Heavy-Metal Removal and Styrene Epoxidation. 2015 , 80, 1556-1564		68
740	A New Salt-Baked Approach for Confining Selenium in Metal Complex-Derived Porous Carbon with Superior Lithium Storage Properties. 2015 , 25, 5229-5238		94
739	Progress in the Characterization of the Surface Species in Activated Carbons by means of INS Spectroscopy Coupled with Detailed DFT Calculations. 2015 , 2015, 1-8		18
738	Electrospun porous vanadium pentoxide nanotubes as a high-performance cathode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015 , 173, 131-138	6.7	36
737	Nitrogen- and oxygen-enriched 3D hierarchical porous carbon fibers: synthesis and superior supercapacity. 2015 , 3, 14817-14825		57
736	Surface Modifications of Nanodiamonds and Current Issues for Their Biomedical Applications. 2015 , 85-122		16

735	Functionalization of Graphene Oxide by Tetrazine Derivatives: A Versatile Approach toward Covalent Bridges between Graphene Sheets. <i>Chemistry of Materials</i> , 2015 , 27, 4298-4310	9.6	30
734	Novel interlayer made from Fe ₃ C/carbon nanofiber webs for high performance lithium-sulfur batteries. 2015 , 285, 43-50		143
733	Synthesis of nitrogen-doped hierarchical porous carbon for supercapacitors. 2015 , 157, 30-33		15
732	Precursor-controlled and template-free synthesis of nitrogen-doped carbon nanoparticles for supercapacitors. 2015 , 5, 50063-50069		24
731	Carbon phase-graphite oxide composites based on solid state interactions between the components: Importance of surface chemistry and microstructure. <i>Carbon</i> , 2015 , 95, 580-588	10.4	7
730	Textural, surface, thermal and sorption properties of the functionalized activated carbons and carbon nanotubes. 2015 , 17, 120-127		7
729	Comparative study on microstructure and surface properties of keratin- and lignocellulosic-based activated carbons. 2015 , 140, 67-75		8
728	Comparison of Optimized Isotherm Models and Error Functions for Carbon Dioxide Adsorption on Activated Carbon. 2015 , 60, 3148-3158		73
727	The influence of the modification of carbonaceous materials on their catalytic properties in SCR-NH ₃ . A short review. 2015 , 18, 1049-1073		37
726	Oxygen-enriched hierarchical porous carbon derived from biowaste sunflower heads for high-performance supercapacitors. 2015 , 5, 107785-107792		28
725	Adsorption of atrazine on hemp stem-based activated carbons with different surface chemistry. 2015 , 21, 489-498		33
724	Effect of nitrogen- and sulfur-containing modifying additives on porous structure and sorption properties of carbon adsorbents. 2015 , 88, 430-435		3
723	Activated polyaniline-based carbon nanoparticles for high performance supercapacitors. <i>Electrochimica Acta</i> , 2015 , 160, 152-159	6.7	64
722	Influence of the reaction temperature on the oxygen reduction reaction on nitrogen-doped carbon nanotube catalysts. 2015 , 249, 236-243		21
721	Ionic liquid assisted electrospun cellulose acetate fibers for aqueous removal of triclosan. 2015 , 31, 1820-7		18
720	H ₂ S-Selective Catalytic Oxidation: Catalysts and Processes. 2015 , 5, 1053-1067		180
719	A novel biomass assisted synthesis of Au@TiO ₂ as a catalyst for direct hydrogen generation from formaldehyde aqueous solution at low temperature. 2015 , 40, 1752-1759		25
718	Hydrophilic Nanotube Supported Graphene/Water Dispersible Carbon Superstructure with Excellent Conductivity. 2015 , 25, 1481-1487		56

717	Application of thermogravimetry and differential scanning calorimetry for the evaluation of CO ₂ adsorption on chemically modified adsorbents. 2015 , 602, 8-14		19
716	A facile low-temperature synthesis of highly distributed and size-tunable cobalt oxide nanoparticles anchored on activated carbon for supercapacitors. 2015 , 273, 945-953		45
715	Varying the morphology of Fe-N-C electrocatalysts by templating Iron Phthalocyanine precursor with different porous SiO ₂ to promote the Oxygen Reduction Reaction. <i>Electrochimica Acta</i> , 2015 , 177, 43-50	6.7	41
714	Synthesis of polybenzoxazine based nitrogen-rich porous carbons for carbon dioxide capture. 2015 , 7, 6534-44		57
713	Growth and Plasma Functionalization of Carbon Nanotubes. 2015 , 26, 315-336		14
712	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
711	Highly nitrogen doped carbon nanosheets as an efficient electrocatalyst for the oxygen reduction reaction. 2015 , 51, 11791-4		46
710	Coconut shell based activated carbon-Iron oxide magnetic nanocomposite for fast and efficient removal of oil spills. <i>Journal of Environmental Chemical Engineering</i> , 2015 , 3, 2068-2075	6.8	71
709	Identification of functional groups and determination of carboxyl formation temperature in graphene oxide using the XPS O 1s spectrum. 2015 , 590, 40-48		141
708	XPS surface chemical characterization of atmospheric particles of different sizes. 2015 , 116, 146-154		32
707	Low-temperature intermediates to oxygen reduction reaction catalysts based on amine-modified metal-loaded carbons. An XPS and ss-NMR investigation. 2015 , 162, 234-243		20
706	Biochar of corn stover: Microwave-assisted pyrolysis condition induced changes in surface functional groups and characteristics. 2015 , 115, 149-156		76
705	Utilization of sargassum based activated carbon as a potential waste derived catalyst for low temperature selective catalytic reduction of nitric oxides. <i>Fuel</i> , 2015 , 160, 35-42	7.1	23
704	Carbon nanotube-nanoporous anodic alumina composite membranes with controllable inner diameters and surface chemistry: Influence on molecular transport and chemical selectivity. <i>Carbon</i> , 2015 , 93, 681-692	10.4	29
703	Nitrogen- and oxygen-containing activated carbons from sucrose for electrochemical supercapacitor applications. 2015 , 5, 63000-63011		41
702	Chemical-activated carbons from peach stones for the adsorption of emerging contaminants in aqueous solutions. <i>Chemical Engineering Journal</i> , 2015 , 279, 788-798	14.7	147
701	Bimetallic cerium-copper nanoparticles embedded in ordered mesoporous carbons as effective catalysts for the selective catalytic reduction of NO with NH ₃ . 2015 , 456, 66-75		25
700	Enhanced selective removal of Cu(II) from aqueous solution by novel polyethylenimine-functionalized ion imprinted hydrogel: Behaviors and mechanisms. 2015 , 300, 18-28		97

699	Synthesis of monosodium salts of N-(5-nitro-salicylidene)-D-amino acid Schiff bases and their iron(III) complexes: spectral and physical characterizations, antioxidant activities. 2015 , 68, 2565-2585		11
698	Unveiling the source of activity of carbon integral honeycomb monoliths in the catalytic methane decomposition reaction. 2015 , 249, 86-93		15
697	Gravity-Driven Multiple Collision-Enhanced Catalytic Soot Combustion over a Space-Open Array Catalyst Consisting of Ultrathin Ceria Nanobelts. 2015 , 11, 3659-64		32
696	Adsorption of acetaldehyde onto carbide-derived carbon modified by oxidation. <i>Chemical Engineering Journal</i> , 2015 , 273, 580-587	14.7	30
695	Nitrogen doped mesoporous carbon derived from copolymer and supporting cobalt oxide for oxygen reduction reaction in alkaline media. 2015 , 40, 6072-6084		23
694	Experimental investigation of the synergy effect of partial oxidation and bio-char on biomass tar reduction. 2015 , 112, 262-269		23
693	Carbon surface functionalities and SEI formation during Li intercalation. <i>Carbon</i> , 2015 , 92, 193-244	10.4	80
692	Microporous carbonaceous adsorbents for CO ₂ separation via selective adsorption. 2015 , 5, 30310-30330		98
691	Preparation of nitrogen-functionalized mesoporous carbon and its application for removal of copper ions. 2015 , 50, 4600-4609		18
690	Role of tailored surface of activated carbon for adsorption of ionic liquids for environmental remediation. 2015 , 12, 2711-2722		11
689	Physicochemical characteristics of furfural-based activated carbons and application of these in sorption of cyclohexane. 2015 , 88, 50-58		2
688	Effects of nitrogen- and oxygen-containing functional groups of activated carbon nanotubes on the electrochemical performance in supercapacitors. 2015 , 285, 303-309		148
687	Poly(vinylidene fluoride) as a porogen to prepare nitrogen-enriched porous carbon electrode materials from pyrolysis of melamine resin. 2015 , 3, 36-42		1
686	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
685	Spontaneous grafting of 9,10-phenanthrenequinone on porous carbon as an active electrode material in an electrochemical capacitor in an alkaline electrolyte. 2015 , 3, 6146-6156		60
684	Synthesis of porous carbon fibers with strong anion exchange functional groups. 2015 , 51, 9853-6		15
683	Removal of fluoride from polluted waters using active carbon derived from barks of Vitex negundo plant. 2015 , 6,		48
682	Density Functional Theory Modeling and Time-of-Flight Secondary Ion Mass Spectrometric and X-ray Photoelectron Spectroscopic Investigations into Mechanistic Key Events of Coronene Oxidation: Toward Molecular Understanding of Soot Combustion. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 6568-6580	3.8	9

681	Preparation and electrochemical characteristics of electrospun water-soluble resorcinol/phenol-formaldehyde resin-based carbon nanofibers. 2015 , 5, 40884-40891		12
680	Enhancement of capacitive deionization capacity of hierarchical porous carbon. 2015 , 3, 12730-12737		62
679	Preparation of graphene nanosheets from microcrystalline graphite by low-temperature exfoliated method and their supercapacitive behavior. 2015 , 50, 4025-4033		23
678	Starch-derived carbonaceous mesoporous materials (Starbon [®]) for the selective adsorption and recovery of critical metals. 2015 , 17, 2146-2149		40
677	Cobalt- and iron-containing nitrogen-doped carbon aerogels as non-precious metal catalysts for electrochemical reduction of oxygen. 2015 , 746, 9-17		70
676	High performance N-doped porous activated carbon based on chicken feather for supercapacitors and CO ₂ capture. 2015 , 5, 34803-34811		41
675	Texture and surface chemistry of activated carbons obtained from tyre wastes. 2015 , 134, 275-283		34
674	Hydrothermally treated aminated tannin as precursor of N-doped carbon gels for supercapacitors. <i>Carbon</i> , 2015 , 90, 63-74	10.4	55
673	Microfluidic generation of graphene beads for supercapacitor electrode materials. 2015 , 3, 22088-22093		25
672	Chemical regeneration mechanism of Fe-impregnated chitosan using ferric chloride. 2015 , 5, 77610-77618		6
671	Evaluation of surface properties and pore structure of carbon on the activity of supported Ru catalysts in the aqueous-phase aerobic oxidation of HMF to FDCA. 2015 , 506, 206-219		49
670	Synthesis of nitrogen-doped electrospun carbon nanofibers with superior performance as efficient supercapacitor electrodes in alkaline solution. <i>Electrochimica Acta</i> , 2015 , 185, 40-51	6.7	61
669	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
668	Detection of NO _x down to ppb levels at room temperature based on highly mesoporous hierarchical Ni(OH) ₂ /In(OH) ₃ double hydroxide composites. 2015 , 26, 6612-6624		8
667	Hierarchical porous carbons from alkaline poplar bark extractive-based phenolic resins for supercapacitors. <i>Electrochimica Acta</i> , 2015 , 180, 1007-1013	6.7	24
666	The Effects of a Low-Level Boron, Phosphorus, and Nitrogen Doping on the Oxygen Reduction Activity of Ordered Mesoporous Carbons. 2015 , 6, 498-511		30
665	New insight into the heteroatom-doped carbon as the electrode material for supercapacitors. <i>Electrochimica Acta</i> , 2015 , 180, 879-886	6.7	59
664	The effects of particle grinding on the burnout and surface chemistry of coals in a drop tube furnace. <i>Fuel</i> , 2015 , 160, 413-423	7.1	18

663	A cost-effective polyurethane based activated carbon sponge anode for high-performance microbial fuel cells. 2015 , 5, 84269-84275	15
662	Enhanced Salt Removal in an Inverted Capacitive Deionization Cell Using Amine Modified Microporous Carbon Cathodes. 2015 , 49, 10920-6	134
661	Preparation and catalytic behavior of biomorphic calcium oxide/carbon solid base materials. 2015 , 5, 5185-5195	5
660	Template-free ultraspray pyrolysis synthesis of N/Fe-doped carbon microspheres for oxygen reduction electrocatalysis. 2015 , 3, 18920-18927	23
659	Adsorption capacities of activated carbons for geosmin and 2-methylisoborneol vary with activated carbon particle size: Effects of adsorbent and adsorbate characteristics. 2015 , 85, 95-102	51
658	Utilizing ionic liquids for controlled N-doping in hard-templated, mesoporous carbon electrodes for high-performance electrochemical double-layer capacitors. 2015 , 298, 193-202	37
657	Synthesis of ionic liquid-modified BiPO ₄ microspheres with hierarchical flower-like architectures and enhanced photocatalytic activity. 2015 , 5, 100625-100632	19
656	Synthesis of Carbon Nanotube-Nanotubular Titania Composites by Catalyst-Free CVD Process: Insights into the Formation Mechanism and Photocatalytic Properties. 2015 , 7, 28361-8	19
655	Synthesis of carbon xerogels and their application in adsorption studies of caffeine and diclofenac as emerging contaminants. 2015 , 95, 229-238	127
654	Effects of catalyst aging on the growth morphology and oxygen reduction activity of nitrogen-doped carbon nanotubes. 2015 , 51, 27-32	13
653	Nitrogen-doped hierarchical porous carbon materials prepared from meta-aminophenol formaldehyde resin for supercapacitor with high rate performance. <i>Electrochimica Acta</i> , 2015 , 153, 68-75 ^{6.7}	156
652	Graphite Oxide and Aromatic Amines: Size Matters. 2015 , 25, 263-269	35
651	Comparison of melamine resin and melamine network as precursors for carbon electrodes. <i>Carbon</i> , 2015 , 81, 239-250	10.4 27
650	Amphiphilic carbonaceous material-based hierarchical porous carbon aerogels for supercapacitors. 2015 , 19, 619-627	9
649	Spent Coffee-Based Activated Carbons. 2015 , 311-317	1
648	Synthesis, characterization and catalytic performances of Cu- and Mn-containing ordered mesoporous carbons for the selective catalytic reduction of NO with NH ₃ . 2015 , 5, 1267-1279	30
647	Catalytic performance of carbon nanotubes in H ₂ O ₂ decomposition: experimental and quantum chemical study. 2015 , 437, 283-290	27
646	Modification of Activated Carbon Using Microwave Radiation and Its Effects on the Adsorption of SO ₂ . 2016 , 49, 52-59	4

645	Effectiveness of sunflower seed husk biochar for removing copper ions from wastewater: a comparative study. 2016 , 11, 53-63	34
644	CO ₂ adsorption behavior and kinetics on chemically modified activated carbons. 2016 , 40, 576-587	5
643	Adsorption of Nickel Ions on Oxygen-Functionalized Carbons. 2016 , 39, 715-722	6
642	Effect of Carbon-Based Materials on the Early Hydration of Tricalcium Silicate. 2016 , 99, 2181-2196	19
641	Adsorption of Gold on Granular Activated Carbons and New Sources of Renewable and Eco-Friendly Activated Carbons. 2016 , 95-142	1
640	Selective surface modification in bimodal mesoporous CMK-5 carbon. 2016 , 4, 18426-18431	13
639	Thermo-Chemical Modification of Low-Dimensional Carbons: an Infrared Study. 2016 , 83, 580-585	4
638	Block Copolymer Templating as a Path to Porous Nanostructured Carbons with Highly Accessible Nitrogens for Enhanced (Electro)chemical Performance. 2016 , 1-19	
637	Pore structure and adsorption properties of carbon xerogels derived from carbonization of tannic acid-resorcinol-formaldehyde resin. 2016 , 119, 60-68	25
636	Controlled thermal functionalization for dispersion enhancement of multi-wall carbon nanotube in organic solvents. 2016 , 51, 5625-5634	14
635	Desulphurization Performance and Mechanism Study by in Situ DRIFTS of Activated Coke Modified by Oxidization. 2016 , 55, 3790-3796	15
634	Adsorption kinetic and mechanism studies of thorium on nitric acid oxidized activated carbon. 2016 , 57, 28313-28322	13
633	Graphene-cellulose tissue composites for high power supercapacitors. 2016 , 5, 33-42	45
632	Nonplatinum cathodic catalysts for fuel cells with alkaline electrolyte (Review). 2016 , 52, 193-219	16
631	Kinetics, equilibrium and thermodynamics studies of Pb ²⁺ adsorption onto new activated carbon prepared from Persian mesquite grain. 2016 , 219, 482-492	30
630	Influence of surface chemistry on the ionic conductivity of vertically aligned carbon nanotube composite membranes. 2016 , 6, 44288-44296	1
629	Guanidine, amitrole and imidazole as nitrogen dopants for the synthesis of N-graphenes. 2016 , 6, 15782-15782	7
628	Adsorption of cesium on different types of activated carbon. 2016 , 310, 301-310	17

627	Nitrogen-doped porous carbons with high performance for hydrogen storage. 2016 , 41, 8489-8497		46
626	Simple synthesis of porous carbon materials for high-performance supercapacitors. 2016 , 46, 703-712		18
625	Synthesis of microporous carbon nanofibers with high specific surface using tetraethyl orthosilicate template for supercapacitors. 2016 , 41, 9383-9393		40
624	Surface modification of carbon black nanoparticles enhances photothermal separation and release of CO ₂ . <i>Carbon</i> , 2016 , 105, 126-135	10.4	18
623	Adsorptive recovery of ethylene by CuCl ₂ loaded activated carbon via E-complexation. 2016 , 34, 355-367		3
622	Enhanced pervaporative performance of hybrid membrane by incorporating amphiphilic carbonaceous material. 2016 , 520, 951-963		7
621	Facile and controllable route for nitrogen doping of carbon nanotubes composite membranes by catalyst-free chemical vapour deposition. <i>Carbon</i> , 2016 , 106, 295-305	10.4	8
620	Synthesis of Graphene Nanoribbons via the Topochemical Polymerization and Subsequent Aromatization of a Diacetylene Precursor. 2016 , 1, 78-90		65
619	Proton conduction through oxygen functionalized few-layer graphene. 2016 , 52, 12661-12664		16
618	N-Doped hierarchical porous carbon prepared by simultaneous-activation of KOH and NH ₃ for high performance supercapacitors. 2016 , 6, 101372-101379		29
617	Aqueous suspensions of carbon black with ethylenediamine and polyacrylamide-modified surfaces: Applications for chemically enhanced oil recovery. <i>Carbon</i> , 2016 , 109, 290-299	10.4	27
616	Activated carbon from sewage sludge for removal of sodium diclofenac and nimesulide from aqueous solutions. 2016 , 33, 3149-3161		35
615	Effect of carbonization temperature on adsorption property of ZIF-8 derived nanoporous carbon for water treatment. 2016 , 236, 28-37		67
614	Multi-heteroatom self-doped porous carbon derived from swim bladders for large capacitance supercapacitors. 2016 , 4, 15006-15014		81
613	Flexible, Free-Standing and Holey Graphene Paper for High-Power Supercapacitors. 2016 , 2, 1055-1063		15
612	Carbon oxidation and its influence on self-discharge in aqueous electrochemical capacitors. <i>Carbon</i> , 2016 , 110, 232-242	10.4	31
611	Graphene material prepared by thermal reduction of the electrochemically synthesized graphite oxide. 2016 , 6, 63058-63063		26
610	Nitrogen functionalized hierarchical microporous/mesoporous carbon with a high surface area and controllable nitrogen content for enhanced lead(II) adsorption. 2016 , 6, 92186-92196		10

609	Activated carbon fiber composites for gas phase ammonia adsorption. 2016 , 234, 146-154		46
608	The application of activated carbon modified by ozone treatment for energy storage. 2016 , 20, 2857-2864		32
607	A comprehensive approach to investigate the structural and surface properties of activated carbons and related Pd-based catalysts. 2016 , 6, 4910-4922		64
606	Activated carbon materials derived from liquefied bark-phenol formaldehyde resins for high performance supercapacitors. 2016 , 6, 105540-105549		9
605	Nitrogen-doped porous carbon with a hierarchical structure prepared for a high performance symmetric supercapacitor. 2016 , 6, 101988-101994		8
604	Ammonia Activation of Carbonized Polysaccharides and their Application for the Carbon Capture. 2016 , 37, 689-694		3
603	Mechanochemical Synthesis of a Carboxylated Carbon Catalyst and Its Application in Cellulose Hydrolysis. 2016 , 8, 1059-1064		31
602	Nitrogen and Phosphorous Co-Doped Graphene Monolith for Supercapacitors. 2016 , 9, 513-20		73
601	Melamine-derived carbon sponges for oil-water separation. <i>Carbon</i> , 2016 , 107, 198-208	10.4	141
600	Biomass-derived dendritic-like porous carbon aerogels for supercapacitors. <i>Electrochimica Acta</i> , 2016 , 210, 897-904	6.7	38
599	Heteroatom-doped mesoporous carbons as efficient adsorbents for removal of dimethoate and omethoate from water. 2016 , 6, 62128-62139		19
598	Structure Control of Nitrogen-Rich Graphene Nanosheets Using Hydrothermal Treatment and Formaldehyde Polymerization for Supercapacitors. 2016 , 8, 18051-9		33
597	Activated Microporous Carbon Derived from Almond Shells for High Energy Density Asymmetric Supercapacitors. 2016 , 8, 15288-96		68
596	Nitrogen doped mesoporous carbon aerogels and implications for electrocatalytic oxygen reduction reactions. 2016 , 230, 135-144		29
595	Phenol adsorption on different nano-sized carbon materials: first comparative study. 2016 , 22, 437-444		4
594	Simple method for synthesizing few-layer graphene as cathodes in surface-enabled lithium ion-exchanging cells. 2016 , 22, 1575-1584		3
593	Hydrothermally Oxidized Single-Walled Carbon Nanotube Networks for High Volumetric Electrochemical Energy Storage. 2016 , 12, 3423-31		14
592	Enhancing the catalytic activity of Ru NPs deposited with carbon species in yolk-shell nanostructures. 2016 , 4, 10956-10963		18

591	Exploring the nitrogen species of nitrogen doped graphene as electrocatalysts for oxygen reduction reaction in Al ₂ O ₃ batteries. 2016 , 41, 10354-10365		40
590	Functionalized porous carbon with appropriate pore size distribution and open hole texture prepared by H ₂ O ₂ and EDTA-2Na treatment of loofa sponge and its excellent performance for supercapacitors. 2016 , 6, 4365-4376		16
589	Hierarchically porous and heteroatom doped carbon derived from tobacco rods for supercapacitors. 2016 , 307, 391-400		374
588	Different chemical strategies to aminate oxidised multi-walled carbon nanotubes for siRNA complexation and delivery. 2016 , 4, 431-441		15
587	Promising Nitrogen-Rich Porous Carbons Derived from One-Step Calcium Chloride Activation of Biomass-Based Waste for High Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 177-187	8.3	174
586	IMPACT OF PLASMA SURFACE TREATMENT ON BAMBOO CHARCOAL/SILVER NANOCOMPOSITE. 2016 , 23, 1550089		5
585	Complex investigation of charge storage behavior of microporous carbon synthesized by zeolite template. 2016 , 228, 94-106		17
584	Synthesis of graphite oxide by electrochemical oxidation in aqueous perchloric acid. <i>Carbon</i> , 2016 , 100, 540-545	10.4	57
583	Removal of Pb(II) from its aqueous solution by activated carbon derived from Balam Khira (<i>Kigelia Africana</i>). 2016 , 57, 24487-24497		6
582	Functionalization of carbon nanowalls by plasma jet in liquid treatment. 2016 , 70, 1		9
581	Ammonia-treated porous carbon derived from ZIF-8 for enhanced CO ₂ adsorption. 2016 , 369, 390-397		63
580	Effects of nitrogen-dopants on Ru-supported catalysts for acetylene hydrochlorination. 2016 , 6, 18026-18032		28
579	Adsorption and desorption of SO ₂ , NO and chlorobenzene on activated carbon. 2016 , 43, 128-135		39
578	Microstructure of polyacrylonitrile-based activated carbon fibers prepared from solvent-free coagulation process. 2016 , 14, 54-61		22
577	Synthesis and Electrochemical Performance of Nano-sized Li ₄ Ti ₅ O ₁₂ Coated with Boron-Doped Carbon. <i>Electrochimica Acta</i> , 2016 , 196, 300-308	6.7	28
576	Synthesis of N-doped hierarchical carbon spheres for CO ₂ capture and supercapacitors. 2016 , 6, 1422-1427		31
575	Behavior of phenol adsorption on thermal modified activated carbon. 2016 , 24, 446-452		58
574	Titanium dioxide nanoparticles modified three dimensional ordered macroporous carbon for improved energy output in microbial fuel cells. <i>Electrochimica Acta</i> , 2016 , 190, 463-470	6.7	30

573	Hydrodeoxygenation of guaiacol over Ni/carbon catalysts: effect of the support and Ni loading. 2016 , 6, 2611-2623		76
572	Nitrogen-functionalised carbon nanotubes as a novel adsorbent for the removal of Cu(II) from aqueous solution. 2016 , 6, 2731-2745		35
571	Nitrogen-doped activated carbon for a high energy hybrid supercapacitor. 2016 , 9, 102-106		746
570	Removal of cadmium and lead from aqueous solutions by magnetic acid-treated activated carbon nanocomposite. 2016 , 57, 18782-18798		33
569	Structure and electrochemical performance of highly porous carbons by single-step potassium humate carbonization for application in supercapacitors. 2016 , 46, 113-121		11
568	Dehydrogenation of 5-hydroxymethylfurfural to diformylfuran in compressed carbon dioxide: an oxidant free approach. 2017 , 19, 1315-1326		38
567	Nitrogen-doped Carbon Nanofibers for the Oxygen Reduction Reaction: Importance of the Iron Growth Catalyst Phase. 2017 , 9, 1663-1674		15
566	Free-standing hybrid films based on graphene and porous carbon particles for flexible supercapacitors. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 127-137	5.8	35
565	Preparation of porous carbon materials via direct carbonization of waste mineral water bottles and their super capacitive properties. 2017 , 23, 1239-1248		6
564	Activated carbons for applications in catalysis: the point of view of a physical-chemist. 2017 , 28, 29-42		4
563	Activated carbons from KOH and H ₃ PO ₄ -activation of olive residues and its application as supercapacitor electrodes. <i>Electrochimica Acta</i> , 2017 , 229, 219-228	6.7	149
562	Removal of organic phosphorus and formaldehyde in glyphosate wastewater by CWO and the lime-catalyzed formose reaction. 2017 , 75, 1390-1398		5
561	Novel high performance magnetic activated carbon for phenol removal: equilibrium, kinetics and thermodynamics. 2017 , 24, 1309-1317		14
560	VxOy@C catalyst prepared from biomass for hydroxylation of benzene to phenol with molecular oxygen. 2017 , 7, 12738-12744		11
559	Preparation and molten salt-assisted KOH activation of porous carbon nanofibers for use as supercapacitor electrodes. 2017 , 24, 1437-1445		19
558	Novel binder-free electrode materials for supercapacitors utilizing high surface area carbon nanofibers derived from immiscible polymer blends of PBI/6FDA-DAM:DABA. 2017 , 7, 20947-20959		24
557	Solventless C-C Coupling of Low Carbon Furanics to High Carbon Fuel Precursors Using an Improved Graphene Oxide Carbocatalyst. 2017 , 7, 3905-3915		51
556	Effect of carbonization conditions of polyaniline on its catalytic activity towards ORR. Some insights about the nature of the active sites. <i>Carbon</i> , 2017 , 119, 62-71	10.4	53

555	An effective route to transform scrap tire carbons into highly-pure activated carbons with a high adsorption capacity of ethylene blue through thermal and chemical treatments. 2017 , 8, 17-27		13
554	Proton Exchange Membrane Fuel Cell Flooding Caused by Residual Functional Groups after Platinum Atomic Layer Deposition. <i>Electrochimica Acta</i> , 2017 , 237, 192-198	6.7	7
553	Oxidation modification of Ru-based catalyst for acetylene hydrochlorination. 2017 , 7, 23742-23750		23
552	Physicochemical Studies of Adsorptive Denitrogenation by Oxidized Activated Carbons. 2017 , 56, 5033-5041		18
551	Nitrobenzene degradation in aqueous solution using ozone/cobalt supported activated carbon coupling process: A kinetic approach. 2017 , 184, 308-318		30
550	Perfluorooctane sulfonate adsorption on powder activated carbon: Effect of phosphate (P) competition, pH, and temperature. <i>Chemosphere</i> , 2017 , 182, 215-222	8.4	30
549	Surface oxidation and/or corrosion behavior of vapor-grown carbon fibers (VGCFs) in nitric acid, hydrogen peroxide, and sulfuric acid solutions. <i>Diamond and Related Materials</i> , 2017 , 76, 108-114	3.5	2
548	On the effect of carbon content for achieving a high performing Na ₃ V ₂ (PO ₄) ₃ /C nanocomposite as cathode for sodium-ion batteries. 2017 , 784, 47-54		40
547	Enhancing photoluminescence of graphene quantum dots by thermal annealing of the graphite precursor. 2017 , 93, 183-193		26
546	Nanohybrid Catalyst based on Carbon Nanotube. 2017 ,		10
545	Hollow Nitrogen- or Boron-Doped Carbon Submicrospheres with a Porous Shell: Preparation and Application as Supports for Hydrodechlorination Catalysts. 2017 , 56, 7665-7674		18
544	Mechanically activated carbonized rayon fibers as an electrochemical supercapacitor in aqueous solutions. <i>Electrochimica Acta</i> , 2017 , 245, 796-806	6.7	19
543	Use of statistical design of experiments for surface modification of Kapton films by CF ₄ /O ₂ microwave plasma treatment. 2017 , 420, 579-585		4
542	Influence of activated carbon surface oxygen functionality on elemental mercury adsorption from aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 2879-2885	6.8	12
541	Direct one-pot conversion of monosaccharides into high-yield 2,5-dimethylfuran over a multifunctional Pd/Zr-based metal-organic framework@sulfonated graphene oxide catalyst. 2017 , 19, 2482-2490		72
540	Pharmaceuticals removal by activated carbons: Role of morphology on cyclic thermal regeneration. <i>Chemical Engineering Journal</i> , 2017 , 321, 233-244	14.7	78
539	Effect of pore structure and oxygen-containing groups on adsorption of dibenzothiophene over activated carbon. <i>Fuel</i> , 2017 , 200, 54-61	7.1	31
538	Determination of the activity of superoxide dismutase using a glassy carbon electrode modified with ferrocene imidazolium salts and hydroxy-functionalized graphene. 2017 , 184, 289-296		4

537	Functional porous carbon nanospheres from sustainable precursors for high performance supercapacitors. 2017 , 5, 16263-16272		44
536	Biosynthesized Gold/Activated Carbon Catalyst for Aerobic Glucose Oxidation: Influence of Acid Treatment on Activated Carbon. 2017 , 35, 681-686		2
535	Synthesis of three-dimensional nitrogen-doped graphene/polyaniline hydrogels for high performance supercapacitor applications. 2017 , 28, 10674-10683		25
534	Metal-Organic Framework Derived Porous Hollow CoO/N-C Polyhedron Composite with Excellent Energy Storage Capability. 2017 , 9, 10602-10609		101
533	N-, O-, and S-Tridoped Carbon-Encapsulated Co ₉ S ₈ Nanomaterials: Efficient Bifunctional Electrocatalysts for Overall Water Splitting. 2017 , 27, 1606585		286
532	A bio-based, facile approach for the preparation of covalently functionalized carbon nanotubes aqueous suspensions and their potential as heat transfer fluids. 2017 , 504, 115-123		87
531	Gas phase oxidation of furfural to maleic anhydride on V ₂ O ₅ /Al ₂ O ₃ catalysts: Reaction conditions to slow down the deactivation. 2017 , 348, 265-275		39
530	Mesoporous Carbon Beads Impregnated with Transition Metal Chlorides for Regenerative Removal of Ammonia in the Atmosphere. 2017 , 56, 3283-3290		3
529	Combined Optoelectronic and Electrochemical Study of Nitrogenated Carbon Electrodes. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 6596-6604	3.8	16
528	Nitrogen-doped reduced graphene oxide as electrode material for high rate supercapacitors. 2017 , 399, 265-271		71
527	Role of oxygen-containing functional groups in forest fire-generated and pyrolytic chars for immobilization of copper and nickel. 2017 , 220, 946-954		6
526	Sugarcane Bagasse Fly Ash as a No-Cost Adsorbent for Removal of Phenolic Inhibitors and Improvement of Biomass Saccharification. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 11727-11736	8.36	19
525	The porous carbon derived from water hyacinth with well-designed hierarchical structure for supercapacitors. 2017 , 366, 270-277		43
524	Effective Approach for Increasing the Heteroatom Doping Levels of Porous Carbons for Superior CO Capture and Separation Performance. 2017 , 9, 35802-35810		45
523	Silica-polydopamine core-shell self-confined templates for ultra-stable hollow Pt anchored N-doped carbon electrocatalysts. 2017 , 46, 16419-16425		13
522	In situ etching-induced self-assembly of metal cluster decorated one-dimensional semiconductors for solar-powered water splitting: unraveling cooperative synergy by photoelectrochemical investigations. 2017 , 9, 17118-17132		68
521	Effect of oxygen-containing functional groups on the adsorption of cationic dye by magnetic graphene nanosheets. 2017 , 128, 155-161		23
520	A high-performance mesoporous carbon supported nitrogen-doped carbon electrocatalyst for oxygen reduction reaction. 2017 , 28, 485701		10

519	Grafting of Ring-Opened Cyclopropylamine Thin Films on Silicon (100) Hydride via UV Photoionization. 2017 , 9, 31083-31094		9
518	The effect of surface chemistry on the performances of Pd-based catalysts supported on activated carbons. 2017 , 7, 4162-4172		13
517	Synergies and progressive effects of H ₂ O/CO ₂ and nascent tar on biochar structure and reactivity during gasification. 2017 , 168, 1-10		13
516	Enhanced electrocatalytic performance of Pt nanoparticles on triazine-functionalized graphene nanoplatelets for both oxygen and iodine reduction reactions. 2017 , 5, 21936-21946		9
515	Activated Carbon and Ordered Mesoporous Carbon-Based Catalysts for Biomass Conversion. 2017 , 17-54		2
514	Recent Developments in the Use of Porous Carbon Materials for Cellulose Conversion. 2017 , 79-98		3
513	Insights into the Synthesis and Surface Functionalization of Mesoporous Carbon for Catalytic Applications. <i>ChemistrySelect</i> , 2017 , 2, 7590-7596	1.8	
512	Nitrogen and phosphorus dual-doped hierarchical porous carbon with excellent supercapacitance performance. <i>Electrochimica Acta</i> , 2017 , 247, 1140-1146	6.7	48
511	Hierarchical Hybrids Integrated by Dual Polypyrrole-Based Porous Carbons for Enhanced Capacitive Performance. 2017 , 23, 13474-13481		24
510	Pyrolytic toluene conversion to benzene and coke over activated carbon in a fixed-bed reactor. <i>Fuel</i> , 2017 , 207, 283-292	7.1	21
509	Facile and sustainable synthesis of sodium lignosulfonate derived hierarchical porous carbons for supercapacitors with high volumetric energy densities. 2017 , 19, 3916-3926		111
508	Catalyst Shelf Life: Its Effect on Nitrogen-Doped Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 16415-16422	3.8	2
507	Influence of the Carbonization Process on Activated Carbon Properties from Lignin and Lignin-Rich Biomasses. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 8222-8233	8.3	86
506	Nanoporous activated carbon cloth as a versatile material for hydrogen adsorption, selective gas separation and electrochemical energy storage. 2017 , 40, 49-64		63
505	Surface treatment of carbon nanoparticles by nitrogen/oxygen alternating current arc discharge and the application in ABS/EPDM composites. 2017 , 129, 97-106		4
504	Roles and fates of K and Ca species on biochar structure during in-situ tar H ₂ O reforming over nascent biochar. 2017 , 42, 21686-21696		43
503	Fabrication of interconnected mesoporous carbon sheets for use in high-performance supercapacitors. 2017 , 32, 213-220		18
502	Bimolecular condensation reactions of butan-1-ol on AgTeO ₂ decorated multiwalled carbon nanotubes. 2017 , 122, 1063-1080		2

501	Characterization of Light-Absorbing Oligomers from Reactions of Phenolic Compounds and Fe(III). 2017 , 1, 637-646		32
500	Electrochemical hydrogen storage performance of carbon nanosheets synthesized from bituminous coal. 2017 , 42, 30145-30155		13
499	Application of Nanocarbon Materials to Catalysis. 2017 , 37-56		3
498	Characterization of Cobalt Catalysts on Biomass-Derived Carbon Supports. 2017 , 60, 1415-1428		9
497	Ozone Decomposition over Cobalt Supported on Olive Stones Activated Carbon: Effect of Preparation Method on Catalyst Activity. 2017 , 39, 435-446		5
496	The study of nitrogen inclusion in carbon nanotubes obtained by catalytic laser-induced chemical vapour deposition (C-LCVD). 2017 , 425, 440-447		6
495	Inactivation of E. coli by nano-Cu/MWCNTs combined with hydrogen peroxide. 2017 , 574, 818-828		15
494	Aged acidic biochar increases nitrogen retention and decreases ammonia volatilization in alkaline bauxite residue sand. 2017 , 98, 157-165		65
493	Active sites for oxygen reduction reaction on nitrogen-doped carbon nanotubes derived from polyaniline. <i>Carbon</i> , 2017 , 112, 219-229	10.4	149
492	Composite beads for forming in situ microcosm of biodegrading microbial communities in groundwater. 2017 , 108, 420-426		
491	The influence of carbon-oxygen surface functional groups of carbon electrodes on the electrochemical reduction of hemoglobin. <i>Carbon</i> , 2017 , 112, 230-237	10.4	8
490	Surface modification and characterization of carbon black by sodium lignosulphonate. 2017 , 49, 197-204		12
489	Iron catalysts by chemical activation of sewage sludge with FeCl ₃ for CWPO. <i>Chemical Engineering Journal</i> , 2017 , 318, 224-230	14.7	48
488	Bio-modification of carbonaceous matter in gold ores: Model experiments using powdered activated carbon and cell-free spent medium of <i>Phanerochaete chrysosporium</i> . 2017 , 168, 76-83		19
487	Kinetic study of SO ₂ removal over lignin-based activated carbon. <i>Chemical Engineering Journal</i> , 2017 , 307, 707-721	14.7	62
486	Generalized two-dimensional correlation infrared spectroscopy to reveal mechanisms of CO ₂ capture in nitrogen enriched biochar. 2017 , 36, 3933-3940		28
485	Facile decoration of carbon fibers with Ag nanoparticles for adsorption and photocatalytic reduction of CO ₂ . 2017 , 202, 314-325		51
484	NO removal activity and surface characterization of activated carbon with oxidation modification. 2017 , 90, 813-823		23

483	Nori-based N, O, S, Cl co-doped carbon materials by chemical activation of ZnCl ₂ for supercapacitor. 2017 , 696, 42-50		69
482	On the Reliability of Sodium Co-Intercalation in Expanded Graphite Prepared by Different Methods as Anodes for Sodium-Ion Batteries. 2017 , 164, A3804-A3813		33
481	Effect of Carbon Support on the Properties of Electrochemically Deposited Platinum and Polyaniline. 2017 , 164, H1148-H1153		2
480	Development of ion-exchange properties of bamboo charcoal modified with concentrated nitric acid. 2017 , 82, 012002		3
479	Influence of activated carbon fibres with different specific surface areas on the thermal conductive and electrical insulating properties of polyamide-imide composites. 2017 , 2, 161-166		4
478	Adsorption of ibuprofen from aqueous solution on chemically surface-modified activated carbon cloths. 2017 , 10, S3584-S3594		84
477	Activated Carbon-Supported Tetrapropylammonium Perruthenate Catalysts for Acetylene Hydrochlorination. 2017 , 7, 311		11
476	ADVANCEMENT IN THE PRODUCTION OF ACTIVATED CARBON FROM BIOMASS USING MICROWAVE HEATING. 2017 , 79,		5
475	Oxygen and Nitrogen Co-enriched Sustainable Porous Carbon Hollow Microspheres from Sodium Lignosulfonate for Supercapacitors with High Volumetric Energy Densities. 2018 , 5, 1306-1320		29
474	Sustainable nitrogen-containing hierarchical porous carbon spheres derived from sodium lignosulfonate for high-performance supercapacitors. <i>Carbon</i> , 2018 , 132, 280-293	10.4	116
473	Pertechnetate removal from aqueous solution using activated carbon modified with oxidizing and reducing agents. 2018 , 316, 1281-1288		2
472	Polyacrylamide copolymer/aminated carbon nanotube-based aqueous nanofluids for application in high temperature and salinity. 2018 , 135, 46382		4
471	Phosphorus, nitrogen and oxygen co-doped polymer-based core-shell carbon sphere for high-performance hybrid supercapacitors. <i>Electrochimica Acta</i> , 2018 , 270, 339-351	6.7	56
470	MPC-973: A low-cost and effective adsorbent for the removal of nitrobenzene from aqueous solutions. 2018 , 208, 157-162		11
469	Uniform Ordered Two-Dimensional Mesoporous TiO Nanosheets from Hydrothermal-Induced Solvent-Confined Monomicelle Assembly. 2018 , 140, 4135-4143		170
468	Removal of Aluminum(III) from Polluted Water Using Active Carbon Derived from Barks of Ficus Racemosa Plant. 2018 , 15, 23-39		0
467	Mechanisms of Enhanced Hemoglobin Electroactivity on Carbon Electrodes upon Exposure to a Water-Miscible Primary Alcohol. 2018 , 90, 5764-5772		2
466	Preparation of metal-free electrocatalysts from cassava residues for the oxygen reduction reaction: A sulfur functionalization approach. 2018 , 43, 3172-3179		15

465	Degradation of phenol using a combination of granular activated carbon adsorption and bipolar pulse dielectric barrier discharge plasma regeneration. 2018 , 20, 054013		8
464	Singlet Oxygen and the Origin of Oxygen Functionalities on the Surface of Carbon Electrodes. 2018 , 130, 6378-6381		7
463	Singlet Oxygen and the Origin of Oxygen Functionalities on the Surface of Carbon Electrodes. 2018 , 57, 6270-6273		11
462	A comparison of partially burnt coal chars and the implications of their properties on the blast furnace process. 2018 , 176, 230-239		4
461	Potential oscillations affected by the electrochemical overoxidation of graphite in aqueous nitric acid. <i>Electrochimica Acta</i> , 2018 , 267, 102-109	6.7	16
460	Ammonia modification of high-surface-area activated carbons as metal-free electrocatalysts for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2018 , 263, 465-473	6.7	22
459	Influence of phosphorus doping on surface chemistry and capacitive behaviors of porous carbon electrode. <i>Electrochimica Acta</i> , 2018 , 266, 420-430	6.7	63
458	Octadecylamine-Functionalized Single-Walled Carbon Nanotubes for Facilitating the Formation of a Monolithic Perovskite Layer and Stable Solar Cells. 2018 , 28, 1705545		53
457	Coupling of Methane to Ethane, Ethylene, and Aromatics over Nickel on Ceria/Zirconia at Low Temperatures. 2018 , 10, 2700-2708		11
456	Steam activation and mild air oxidation of vacuum pyrolysis biochar. 2018 , 108, 101-112		56
455	Multifunctional electrocatalysts derived from conducting polymer and metal organic framework complexes. 2018 , 45, 127-135		124
454	Self-Sufficient Bioethanol Production System Using a Lignin-Derived Adsorbent of Fermentation Inhibitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 3070-3078	8.3	16
453	Low-Temperature Selective Catalytic Reduction of NO _x with Urea Supported on Carbon Xerogels. 2018 , 57, 6842-6852		9
452	Highly efficient removal of Gd(III) using hybrid hydrosols of carbon nanotubes/graphene oxide in dialysis bags and synergistic enhancement effect. <i>Chemical Engineering Journal</i> , 2018 , 348, 535-545	14.7	27
451	Influence of surface modification with nitric acid on electrochemical performance of agroindustrial waste-based activated carbon. 2018 , 29, 15557-15569		6
450	Catalytic effects of ion-exchangeable K ⁺ and Ca ²⁺ on rice husk pyrolysis behavior and its gas-liquid-solid product properties. 2018 , 152, 166-177		49
449	Role of the Carbon Support on the Oxygen Reduction and Evolution Activities in LaNiO ₃ Composite Electrodes in Alkaline Solution. 2018 , 1, 1549-1558		29
448	Role of cerium in improving NO reduction with NH ₃ over MnO _x /ASC catalyst in low-temperature flue gas. 2018 , 133, 1-10		47

447	Isotherm and kinetic studies on adsorption of oil sands process-affected water organic compounds using granular activated carbon. <i>Chemosphere</i> , 2018 , 202, 716-725	8.4	29
446	Laser induced graphitization of PAN-based carbon fibers.. 2018 , 8, 11543-11550		16
445	Effect of surface, structural and textural properties of graphenic materials over cooperative and synergetic adsorptions of two chloroaromatic compounds from aqueous solution. 2018 , 301, 104-111		15
444	Efficient degradation of organic phosphorus in glyphosate wastewater by catalytic wet oxidation using modified activated carbon as a catalyst. 2018 , 39, 749-758		23
443	Composite Scaffolds of Mineralized Natural Extracellular Matrix on True Bone Ceramic Induce Bone Regeneration Through Smad1/5/8 and ERK1/2 Pathways. 2018 , 24, 502-515		19
442	Behaviors and kinetics of toluene adsorption-desorption on activated carbons with varying pore structure. 2018 , 67, 104-114		88
441	Catalytic performance of oxygenated acid sites on activated carbon generated by non-isothermal plasma. <i>Carbon</i> , 2018 , 126, 552-565	10.4	3
440	Zero-valent iron supported on nitrogen-doped carbon xerogel as catalysts for the oxidation of phenol by fenton-like system. 2018 , 39, 2951-2958		16
439	Supporting Pd nanoparticles on riboflavin-derived carbon: an efficient electrocatalyst for ethylene glycol oxidation. 2018 , 24, 1745-1754		5
438	Biochar-based carbons with hierarchical micro-meso-macro porosity for high rate and long cycle life supercapacitors. 2018 , 376, 82-90		177
437	Chromium(VI) removal using in-situ nitrogenized activated carbon prepared from Brewers spent grain. 2018 , 24, 147-156		5
436	Challenges and opportunities in the removal of sulphate ions in contaminated mine water: A review. 2018 , 117, 74-90		95
435	Synthesis of Mesoporous Graphite Functionalized by Nitrogen for Efficient Removal of Safranin Dye Utilizing Rice Husk Ash; Equilibrium Studies and Response Surface Optimization. 2018 , 28, 279-294		33
434	Simultaneous removal of Hg ⁰ and NO from simulated flue gas over columnar activated coke granules loaded with La ₂ O ₃ -CeO ₂ at low temperature. <i>Fuel</i> , 2018 , 215, 30-39	7.1	40
433	In-situ modification of activated carbon with ethylenediaminetetraacetic acid disodium salt during phosphoric acid activation for enhancement of nickel removal. 2018 , 325, 113-120		18
432	Catalytic mechanism of ion-exchanging alkali and alkaline earth metallic species on biochar reactivity during CO ₂ /H ₂ O gasification. <i>Fuel</i> , 2018 , 212, 523-532	7.1	105
431	Effect of aging on surface chemistry of rice husk-derived biochar. 2018 , 37, 410-417		22
430	Adsorption of cobalt (III) by HCl and H ₂ O ₂ modified activated carbon. 2018 , 63, 192		1

429	Production of bioadsorbent from phosphoric acid pretreated palm kernel shell and coconut shell by two-stage continuous physical activation via N and air. 2018 , 5, 180775		13
428	A Review on the Synthesis and Characterization of Biomass-Derived Carbons for Adsorption of Emerging Contaminants from Water. 2018 , 4, 63		46
427	Porous Carrageenan-Derived Carbons for Efficient Ciprofloxacin Removal from Water. <i>Nanomaterials</i> , 2018 , 8,	5-4	7
426	On the detection of carbon fibre storage contamination and its effect on the fibre-matrix interface. 2018 , 8, 16446		3
425	Free-Standing Electrodes Derived from Metal-Organic Frameworks/ Nanofibers Hybrids for Membrane Capacitive Deionization. 2018 , 3, 1800135		22
424	Bioadsorptive Desulfurization of Liquid Fuels. 2018 , 327-374		
423	Effect of H ₂ O ₂ modification of H ₃ PW ₁₂ O ₄₀ @carbon for m-xylene oxidation to isophthalic acid. 2018 , 35, 2172-2184		0
422	Ni Prussian Blue Analogue/Mesoporous Carbon Composite as Electrode Material for Aqueous K-Ion Energy Storage: Effect of Carbon-Framework Interaction on Its Electrochemical Behavior. <i>ChemistrySelect</i> , 2018 , 3, 11441-11450	1.8	9
421	Effect of activated carbon modified with oxalic acid on the production of IPA from MX catalyzed by H ₃ PW ₁₂ O ₄₀ @carbon and cobalt. 2018 , 68, 87-98		2
420	Hierarchical Micro-/Mesoporous Carbon Derived from Rice Husk by Hydrothermal Pre-Treatment for High Performance Supercapacitor. 2018 , 165, A3334-A3341		25
419	Removal of Hg from simulated flue gas over silver-loaded rice husk gasification char. 2018 , 5, 180248		4
418	Sulfonated tobacco stem carbon as efficient catalyst for dehydration of C ₆ carbohydrate to 5-hydroxymethylfurfural in γ -valerolactone/water. 2018 , 181, 294-303		27
417	Acid-Assisted Strategy Combined with KOH Activation to Efficiently Optimize Carbon Architectures from Green Copolymer Adhesive for Solid-State Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 14838-14846	8.3	12
416	Counter Electrodes in DSSCs Based on Carbon Derived from Edible Sources. 2018 , 71-92		
415	A facile modification method of activated carbon by spark discharge of atmospheric pressure plasma jets to improve its adsorption performance of methylene blue. 2018 , 354, 126-133		4
414	Self-Powered and Highly Efficient Production of H ₂ O through a Zn-Air Battery with Oxygenated Carbon Electrocatalyst. 2018 , 10, 31855-31859		25
413	Composition, Structure and Morphology Evolution of Octadecylamine (ODA)-Reduced Graphene Oxide and Its Dispersion Stability under Different Reaction Conditions. 2018 , 11,		11
412	Heteroatom doped porous carbon sheets derived from protein-rich wheat gluten for supercapacitors: The synergistic effect of pore properties and heteroatom on the electrochemical performance in different electrolytes. 2018 , 401, 375-385		38

411	Growth of cobalt/nickel layered double hydroxide on nitrogen-doped graphene by simple co-precipitation method for supercapacitor electrodes. 2018 , 29, 17234-17244		7
410	Regeneration of Activated Carbon Fiber by the Electro-Fenton Process. 2018 , 52, 7450-7457		60
409	MnO Quantum Dots Supported on Nitrogen-Doped Partially Exfoliated Multiwall Carbon Nanotubes as Oxygen Reduction Electrocatalysts for High-Performance Zn-Air Batteries. 2018 , 10, 23900-23909		43
408	Identification and isolation of carbon oxidation and charge redistribution as self-discharge mechanisms in reduced graphene oxide electrochemical capacitor electrodes. <i>Carbon</i> , 2018 , 139, 299-308	10.4	17
407	Poisoning effects of KCl and As ₂ O ₃ on selective catalytic reduction of NO with NH ₃ over Mn-Ce/AC catalysts at low temperature. <i>Chemical Engineering Journal</i> , 2018 , 351, 540-547	14.7	37
406	Synthesis of Vinyl Chloride Monomer over Carbon-Supported Tris-(Triphenylphosphine) Ruthenium Dichloride Catalysts. 2018 , 8, 276		5
405	Impact of Biomass Derived Raw Material on Nitrogen Doped Porous Carbon Structure. 2018 , 762, 99-103		1
404	Mild electrochemical oxidation of zeolite templated carbon in acidic solutions, as a way to boost its charge storage properties in alkaline solutions. <i>Carbon</i> , 2018 , 138, 369-378	10.4	10
403	Supercapacitor Electrode Based on Activated Carbon Wool Felt. 2018 , 4, 24		11
402	Nitrogen-Containing Functional Groups-Facilitated Acetone Adsorption by ZIF-8-Derived Porous Carbon. 2018 , 11,		24
401	Enhanced CO ₂ Adsorption by Nitrogen-Doped Graphene Oxide Sheets (N-GOs) Prepared by Employing Polymeric Precursors. 2018 , 11,		18
400	Tailoring Catalyst Morphology towards High Performance for Low Pt Loaded PEMFC Cathodes. 2018 , 165, F770-F779		63
399	Improving the production of maleic acid from biomass: TS-1 catalysed aqueous phase oxidation of furfural in the presence of Valerolactone. 2018 , 20, 2845-2856		46
398	Production of hydrocarbons from biomass-derived biochar assisted microwave catalytic pyrolysis. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 1781-1790	5.8	25
397	Promotional removal of HCHO from simulated flue gas over Mn-Fe oxides modified activated coke. 2018 , 232, 37-48		84
396	Electrochemical performance of CH ₃ COONa aqueous electrolytes. 2019 , 25, 2275-2283		
395	Advances and applications of chemical protective clothing system. 2019 , 49, 97-138		39
394	Low-temperature flue gas denitration with transition metal oxides supported on biomass char. 2019 , 92, 1158-1166		23

393	Bis(oxalate)borate-containing electrolytes for high voltage electric double-layer capacitors: A comparative study. <i>Electrochimica Acta</i> , 2019 , 321, 134649	6.7	15
392	Room temperature ultrafast synthesis of N- and O-rich graphene films with an expanded interlayer distance for high volumetric capacitance supercapacitors. 2019 , 11, 16515-16522		14
391	Ultrafine Defective RuO ₂ Electrocatalyst Integrated on Carbon Cloth for Robust Water Oxidation in Acidic Media. 2019 , 9, 1901313		95
390	Post-synthetic efficient functionalization of polyaniline with phosphorus-containing groups. Effect of phosphorus on electrochemical properties. 2019 , 119, 272-280		15
389	Programmed Design of a Lithium-Sulfur Battery Cathode by Integrating Functional Units. 2019 , 6, 1900711		31
388	N-Doped FeCo/ASC catalysts for NO _x reduction by CO in a simulated rotary reactor. 2019 , 9, 4429-4440		6
387	Pulverized Graphite by Ball Milling for Electric Double-Layer Capacitors. 2019 , 166, A2471-A2476		4
386	Colombian metallurgical coke as catalysts support of the direct coal liquefaction. <i>Fuel</i> , 2019 , 255, 115748-1		3
385	Design of graphene oxide by a one-pot synthetic route for catalytic conversion of furfural alcohol to ethyl levulinate. 2019 , 94, 3093-3101		7
384	Temperature-dependent performance of carbon-based supercapacitors with water-in-salt electrolyte. 2019 , 441, 227220		29
383	Modification of a rice husk-based activated carbon by thermal treatment and its effect on its electrochemical performance as a supercapacitor electrode. 2019 , 34, 341-348		17
382	Surface modification effect of carbon molecular sieve (CMS) on the morphology and separation performance of mixed matrix membranes. 2019 , 80, 106152		7
381	Hazardous As(III) removal using nanoporous activated carbon of waste garlic stem as adsorbent: Kinetic and mass transfer mechanisms. 2019 , 36, 1900-1914		24
380	Graphene as Catalyst Support for the Reactions in Fuel Cells. 2019 , 339-372		
379	Understanding X-ray Spectroscopy of Carbonaceous Materials by Combining Experiments, Density Functional Theory, and Machine Learning. Part II: Quantitative Fitting of Spectra. <i>Chemistry of Materials</i> , 2019 , 31, 9256-9267	9.6	26
378	Understanding X-ray Spectroscopy of Carbonaceous Materials by Combining Experiments, Density Functional Theory, and Machine Learning. Part I: Fingerprint Spectra. <i>Chemistry of Materials</i> , 2019 , 31, 9243-9255	9.6	33
377	The kinetics of enargite dissolution in chloride media in the presence of activated carbon and AF 5 catalysts. 2019 , 143, 106013		6
376	Electrochemical and Electric Field Response Properties of Highly Sensitive Electrodes Based on Carbon Fiber With Oxygen and Nitrogen Surface Groups. 2019 , 19, 3966-3974		6

- 375 Study of the Correlation Between the Doped-Oxygen Species and the Supercapacitive Performance of TiO₂/CD Carbon-Based Material. **2019**, 14, 1950142
- 374 Ternary Cu₂SnS₃ Thin Films Deposited by Fully Controlled System of Spray Pyrolysis. **2019**, 1234, 012041 0
- 373 Mass production of nitrogen and oxygen codoped carbon nanotubes by a delicately-designed Pechini method for supercapacitors and electrocatalysis. **2019**, 11, 17425-17435 4
- 372 Polymer network of graphene oxide with covalently attached 2-(4-Hydroxyphenyl)fulleropyrrolidine and Palladium: Synthesis, properties and theoretical studies. **2019**, 249, 114406 4
- 371 Biochar enhanced microbial degradation of 17 β -Estradiol. **2019**, 21, 1736-1744 5
- 370 Template dissolution with NaOH/HCl in the synthesis of zeolite-templated carbons: Effects on oxygen functionalization and electrical energy storage characteristics. *Carbon*, **2019**, 155, 570-579 10.4 19
- 369 Constructing a Cathode Catalyst Layer of a Passive Direct Methanol Fuel Cell with Highly Hydrophilic Carbon Aerogel for Improved Water Management. **2019**, 11, 37626-37634 10
- 368 The Capacitor Properties of KOH Activated Porous Carbon Beads Derived from Polyacrylonitrile. **2019**, 92, 832-839 3
- 367 Huge enhancement in supercapacitive performance of oxygen-doped nano-carbon black. **2019**, 26, 1171-1176 1
- 366 Fe₃C-N-doped carbon modified separator for high performance lithium-sulfur batteries. **2019**, 39, 101-108 47
- 365 Regulating spatial charge transfer over intrinsically ultrathin-carbon-encapsulated photoanodes toward solar water splitting. **2019**, 7, 2741-2753 65
- 364 Thermodynamic Simulation and Experimental Investigation of Plasma Preparation of Nanosized Carbon Using Propane. **2019**, 2019, 1-13
- 363 Study on removal of elemental mercury over MoO₃-CeO₂/cylindrical activated coke in the presence of SO₂ by Hg-temperature-programmed desorption. *Chemical Engineering Journal*, **2019**, 371, 666-678 14.7 31
- 362 Simultaneous ozone and granular activated carbon for advanced treatment of micropollutants in municipal wastewater effluent. *Chemosphere*, **2019**, 234, 845-854 8.4 27
- 361 Efficient Cr(VI) removal from wastewater by activated carbon superparamagnetic composites. **2019**, 149, 104025 12
- 360 Thermodynamic study of adsorption of nickel ions onto carbon aerogels. **2019**, 5, e01789 9
- 359 Analysis of sequential dual immobilization of type I collagen and BMP-2 short peptides on hydrolyzed poly(buthylene succinate)/-tricalcium phosphate composites for bone tissue engineering. **2019**, 34, 351-364 2
- 358 Transformation of persulfate to free sulfate radical over granular activated carbon: Effect of acidic oxygen functional groups. *Chemical Engineering Journal*, **2019**, 374, 965-974 14.7 23

357	Improvement of the adsorption properties of an activated carbon coated by titanium dioxide for the removal of emerging contaminants. 2019 , 31, 100876		22
356	Recent Advances in Carbonaceous Photocatalysts with Enhanced Photocatalytic Performances: A Mini Review. 2019 , 12,		57
355	Multifunctional nanohybrid material from discarded razor blades as cost-effective supercapacitor electrodes and oil-spill cleaners. 2019 , 487, 109-115		6
354	First synthesis of poly(furfuryl) alcohol precursor-based porous carbon beads as an efficient adsorbent for volatile organic compounds. <i>Chemical Engineering Journal</i> , 2019 , 373, 365-374	14.7	14
353	Coconut shell activated carbon as an alternative adsorbent of inhibitors from lignocellulosic biomass pretreatment. 2019 , 137, 16-23		28
352	Ligand cleavage enables formation of 1,2-ethanedithiol capped colloidal quantum dot solids. 2019 , 11, 10774-10781		12
351	Effect of Surface Modification with Different Acids on the Functional Groups of AF 5 Catalyst and Its Catalytic Effect on the Atmospheric Leaching of Enargite. 2019 , 3, 45		4
350	Structural and ferroelectric properties of orthogonal crystalline in Fe-doped HoMnO ₃ synthesized at normal pressure. 2019 , 30, 7629-7636		4
349	Electrochemical formation of graphite oxide from the mixture composed of sulfuric and nitric acids. <i>Electrochimica Acta</i> , 2019 , 310, 96-103	6.7	16
348	Excellent performance of electro-assisted catalytic wet air oxidation of refractory organic pollutants. 2019 , 158, 313-321		26
347	Enhancement Effect of Ordered Hierarchical Pore Configuration on SO ₂ Adsorption and Desorption Process. 2019 , 7, 173		10
346	One-step synthesis of 3D-interconnected porous carbons derived from ephedra herb using calcium chloride and urea as co-activation for high-performance supercapacitors. 2019 , 25, 3907-3914		4
345	Effect of Nitric Acid Modification on Characteristics and Adsorption Properties of Lignite. 2019 , 7, 167		27
344	Superior performance and resistance to SO ₂ and H ₂ O over CoOx-modified MnOx/biomass activated carbons for simultaneous Hg ⁰ and NO removal. <i>Chemical Engineering Journal</i> , 2019 , 371, 781-795	14.7	37
343	Nanocarbon-based catalysts for esterification: Effect of carbon dimensionality and synergistic effect of the surface functional groups. <i>Carbon</i> , 2019 , 147, 134-145	10.4	9
342	Superhydrophobic fluorine-modified cerium-doped mesoporous carbon as an efficient catalytic platform for photo-degradation of organic pollutants. <i>Carbon</i> , 2019 , 147, 323-333	10.4	21
341	Construction of an in-situ Fenton-like system based on a g-CN composite photocatalyst. 2019 , 373, 565-571		22
340	Ultrahigh-surface-area nitrogen-doped hierarchically porous carbon materials derived from chitosan and betaine hydrochloride sustainable precursors for high-performance supercapacitors. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 1215-1224	5.8	24

339	Luminescent Graphene-Based Materials via Europium Complexation on Dipyridylpyridazine-Functionalized Graphene Sheets. 2019 , 25, 6823-6830		6
338	Adsorption of inhibitors using a CO ₂ -activated sugarcane bagasse fly ash for improving enzymatic hydrolysis and alcoholic fermentation in biorefineries. <i>Fuel</i> , 2019 , 251, 1-9	7.1	13
337	One-Pot Synthesis of Framework Porphyrin Materials and Their Applications in Bifunctional Oxygen Electrocatalysis. 2019 , 29, 1901301		44
336	The effect of biochar mild air oxidation on the optimization of lead(II) adsorption from wastewater. 2019 , 240, 404-420		50
335	Preparation and electrochemical performance of nitrogen-enriched activated carbon derived from silkworm pupae waste.. 2019 , 9, 9878-9886		14
334	A superhydrophobic and elastic melamine sponge for oil/water separation. 2019 , 43, 6343-6349		27
333	Immobilization of on Activated Carbons for Degradation of Hydrocarbons from Oil-in-Saltwater Emulsions. <i>Nanomaterials</i> , 2019 , 9,	5.4	8
332	Surface Modifications of Nanodiamonds and Current Issues for Their Biomedical Applications. 2019 , 415-460		2
331	Outstanding long-term cycling stability of a sulfur-doped graphene electrode for supercapacitors obtained by post-tailoring the chemical states of doped-sulfur. 2019 , 479, 1039-1047		13
330	Enhancing CO Electroreduction with Au/Pyridine/Carbon Nanotubes Hybrid Structures. 2019 , 12, 1724-1731		20
329	Facile fabrication of water-based and non-fluorinated superhydrophobic sponge for efficient separation of immiscible oil/water mixture and water-in-oil emulsion. <i>Chemical Engineering Journal</i> , 2019 , 368, 350-358	14.7	98
328	Preparation and capacitive performance of modified carbon black-doped porous carbon nanofibers. 2019 , 21, 1		6
327	The effects of washing on LiNi _{0.83} Co _{0.13} Mn _{0.04} O ₂ cathode materials. 2019 , 334, 105-110		22
326	A facile method to modify activated carbon fibers for drinking water purification. <i>Chemical Engineering Journal</i> , 2019 , 365, 175-182	14.7	17
325	Current Progress on the Surface Chemical Modification of Carbonaceous Materials. 2019 , 9, 103		37
324	Adsorption mechanisms of hexavalent chromium from aqueous solutions on modified activated carbons. 2019 , 236, 815-822		62
323	Sustainable biowaste strategy to fabricate dual-doped carbon frameworks with remarkable performance for flexible solid-state supercapacitors. 2019 , 418, 112-121		46
322	Role of Stabilizing Surfactants on Capacitance, Charge, and Ion Transport in Organic Nanoparticle-Based Electronic Devices. 2019 , 11, 10074-10088		20

321	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
320	Investigation of sulfuric acid-treated activated carbon properties. 2019 , 43, 663-675		11
319	Electricity production characterization of a Sediment Microbial Fuel Cell using different thermo-treated flat carbon cloth electrodes. 2019 , 44, 32192-32200		12
318	CTAB-Assisted Synthesis of C@Na ₃ V ₂ (PO ₄) ₂ F ₃ With Optimized Morphology for Application as Cathode Material for Na-Ion Batteries. 2019 , 7,		11
317	Upgrading the Properties of Reduced Graphene Oxide and Nitrogen-Doped Reduced Graphene Oxide Produced by Thermal Reduction toward Efficient ORR Electrocatalysts. <i>Nanomaterials</i> , 2019 , 9,	5-4	14
316	Long-term stably dispersed functionalized graphene oxide as an oil additive.. 2019 , 9, 39230-39241		4
315	Activated carbon adsorption of gold from cyanide-starved glycine solutions containing copper. Part 1: Isotherms. 2019 , 211, 594-601		24
314	Zn _x Se _{1-x} /N-C (x = 0.24) hierarchical nanosphere with improved energy storage capability as sodium-ion battery anode. 2019 , 771, 147-155		15
313	Catalytic wet oxidation of high concentration formaldehyde wastewater over Pt/nitrogen-doped activated carbon. 2019 , 126, 547-560		6
312	Activated carbon promotes short-chain fatty acids production from algae during anaerobic fermentation. 2019 , 658, 1131-1138		17
311	Enhancement of NO catalytic oxidation on activated carbon at room temperature by nitric acid hydrothermal treatment. 2019 , 471, 633-644		18
310	Pollen-derived porous carbon by KOH activation: Effect of physicochemical structure on CO ₂ adsorption. 2019 , 29, 146-155		81
309	Synthesis of Ultrahigh Surface Area of Nitrogen-Doped Porous Carbon Materials from Alginate-Based Protic Polyanion Ionic Liquids for High-Performance Supercapacitors. 2019 , 7, 1800734		7
308	Enhanced role of graphitic-N on nitrogen-doped porous carbon ball for direct dehydrogenation of ethylbenzene. 2019 , 462, 61-68		15
307	Cost-effective preparation of metal-free electrocatalysts by phosphoric acid activation of lignocellulosic materials for oxygen reduction reaction. 2019 , 44, 2811-2822		9
306	Microstructural tailoring and its influence on oxidation resistance of carbon fiber-reinforced C-SiC matrix composites. 2019 , 45, 2044-2052		9
305	Adsorption desulfurization performances of Zn/Co porous carbons derived from bimetal-organic frameworks. <i>Chemical Engineering Journal</i> , 2019 , 362, 287-297	14.7	45
304	Aged biochar alters nitrogen pathways in bauxite-processing residue sand: Environmental impact and biogeochemical mechanisms. 2019 , 247, 438-446		6

303	Metal-organic framework derived porous hollow ternary sulfide as robust anode material for sodium ion batteries. 2019 , 12, 53-61		16
302	Research on the defect types transformation induced by growth temperature of vertical graphene nanosheets. 2019 , 781, 1048-1053		3
301	Removal of Cd(II) and Ni(II) from aqueous solutions using activated carbon developed from powder-hydrolyzed-feathers and <i>Trapa natans</i> husks. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 560, 426-433	5.1	19
300	Preparation of oxygen-enriched hierarchically porous carbon by KMnO ₄ one-pot oxidation and activation: Mechanism and capacitive energy storage. <i>Electrochimica Acta</i> , 2019 , 294, 398-405	6.7	45
299	Solvent effect in the synthesis of nanostructured PtSn/CNT as electrocatalysts for the electrooxidation of ethanol. 2019 , 44, 12430-12438		8
298	Chemically activated high grade nanoporous carbons from low density renewable biomass (<i>Agave sisalana</i>) for the removal of pharmaceuticals. 2019 , 536, 681-693		26
297	Preparation of biological activated carbon (BAC) using aluminum salts conditioned sludge cake for the bio-refractory organic contaminants removal from anaerobically digested liquor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 561, 89-100	5.1	4
296	A critical role of benzoquinone basic group in catalytic oxidation of H ₂ S by sewage sludge-derived catalyst. 2019 , 470, 1010-1017		3
295	Low-temperature SCR of NO with NH ₃ over biomass char supported highly dispersed Mn Ce mixed oxides. 2019 , 92, 883-891		30
294	Nitrogen-Doped Biomass-Derived Carbon Formed by Mechanochemical Synthesis for Lithium-Sulfur Batteries. 2019 , 12, 310-319		56
293	Ultrafine CoSe nano-crystallites confined in leaf-like N-doped carbon for long-cyclic and fast sodium ion storage. <i>Electrochimica Acta</i> , 2019 , 294, 173-182	6.7	38
292	Activated carbon surface chemistry: Changes upon impregnation with Al(III), Fe(III) and Zn(II)-metal oxide catalyst precursors from NO ₃ ⁻ aqueous solutions. 2019 , 12, 3963-3976		22
291	Effect of graphene nanoplatelets structure on the properties of acrylonitrile-butadiene-styrene composites. 2019 , 40, E285		18
290	SURFACE MODIFICATIONS OF ACTIVATED CARBON AND ITS IMPACT ON APPLICATION. 2019 , 26, 1830006		7
289	Mechanochemically improved surface properties of activated carbon cloth for the removal of As(V) from aqueous solutions. 2019 , 12, 4446-4457		11
288	Chemically functionalized activated carbon with 8-hydroxyquinoline using aryldiazonium salts/diazotization route: Green chemistry synthesis for oxins-carbon chelators. 2020 , 13, 1386-1396		6
287	Nitrogen-doped carbonaceous materials obtained by CVD process from mesoporous silica for sulfides oxidation. 2020 , 344, 32-40		
286	Electrochemical Capacitors Based on Electrodes Made of Lignocellulosic Waste Materials. 2020 , 11, 3863-3871		11

285	Effect of physical activation/surface functional groups on wettability and electrochemical performance of carbon/activated carbon aerogels based electrode materials for electrochemical capacitors. 2020 , 45, 13586-13595		18
284	On the Nature of Nitrogen-Containing Groups in the SCR of NO Over Functionalized Activated Coke. 2020 , 11, 1691-1699		4
283	Laser-driven direct synthesis of carbon nanodots and application as sensitizers for visible-light photocatalysis. <i>Carbon</i> , 2020 , 156, 453-462	10.4	18
282	Synthesis of citric acid modified β -cyclodextrin/activated carbon hybrid composite and their adsorption properties toward methylene blue. 2020 , 137, 48315		8
281	Techno-Economic Assessment and Critical Properties Tuning of Activated Carbons from Pyrolyzed Sugarcane Bagasse. 2020 , 11, 1-13		5
280	The use of new modified activated carbon in thiosulfate solution: A green gold recovery technology. 2020 , 230, 115834		30
279	Electrochemical performance of mesoporous carbon FBNC-700 in sodium citrate electrolyte. 2020 , 17, 307-317		
278	Iron doped effects on active sites formation over activated carbon supported Mn-Ce oxide catalysts for low-temperature SCR of NO. <i>Chemical Engineering Journal</i> , 2020 , 379, 122398	14.7	73
277	The role of nanoporous carbon materials in catalytic cyclohexane oxidation. 2020 , 357, 46-55		9
276	Study on the long-term effects of DOM on the adsorption of BPS by biochar. <i>Chemosphere</i> , 2020 , 242, 125165	8.4	18
275	Nitrogen containing functional groups of biochar: An overview. 2020 , 298, 122286		104
274	Enhancement of the denitrification efficiency over low-rank activated coke by doping with transition metal oxides. 2020 , 98, 1390-1397		3
273	Fabrication of SrTiO ₃ /g-C ₃ N ₄ heterostructures for visible light-induced photocatalysis. 2020 , 108, 104887		12
272	Green self-assembly synthesis of porous lignin-derived carbon quasi-nanosheets for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2020 , 392, 123721	14.7	48
271	Two-step synthesis of well-ordered layered graphite oxide with high oxidation degree. 2020 , 507, 145049		7
270	Confining Li ₂ S ₆ catholyte in 3D graphene sponge with ultrahigh total pore volume and oxygen-containing groups for lithium-sulfur batteries. <i>Carbon</i> , 2020 , 158, 244-255	10.4	17
269	Self-Supported Iridium Oxide Nanostructures for Electrocatalytic Water Oxidation in Acidic Media. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 2-8	3.8	14
268	Comparison of the electrochemical properties of engineered switchgrass biomass-derived activated carbon-based EDLCs. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 586, 124150	5.1	17

267	Study of Catalytic Combustion of Dioxins on Ce-V-Ti Catalysts Modified by Graphene Oxide in Simulating Iron Ore Sintering Flue Gas. 2019 , 13,		1
266	Accommodating succinonitrile rotators in micro-pores of 3D nano-structured cactus carbon for assisting micro-crystallite organization, ion transport and surplus pseudo-capacitance: An extreme temperature supercapacitor behavior. <i>Electrochimica Acta</i> , 2020 , 333, 135547	6.7	0
265	N-doped porous carbon nanotubes derived from polypyrrole for supercapacitors with high performance. 2020 , 152, 104925		6
264	Tailoring of activated carbon with ammonia for enhanced anaesthetic sevoflurane adsorption. 2020 , 251, 117404		
263	Preparation of grafted few-layer graphene from K-THF-graphite intercalation compounds by the addition of aldehyde. 2020 , 24, 100206		1
262	Self-template/activation nitrogen-doped porous carbon materials derived from lignosulfonate-based ionic liquids for high performance supercapacitors.. 2020 , 10, 36504-36513		5
261	Acid/Base-Treated Activated Carbon Catalysts for the Low-Temperature Endothermic Cracking of N-Dodecane with Applications in Hypersonic Vehicle Heat Management Systems. 2020 , 10, 1149		4
260	Polycarbonate and activated charcoal-engineered electrospun nanofibers for selective recovery of oil/solvent from oily wastewater. 2020 , 2, 1		13
259	Enhancing the pore wettability of coal-based porous carbon as electrode materials for high performance supercapacitors. 2020 , 252, 123381		14
258	Carbon nanodots revised: the thermal citric acid/urea reaction. 2020 , 11, 8256-8266		36
257	Mineralogical and petrographic analysis on the flake graphite ore from Saba Boru area in Ethiopia. 2020 , 30, 715-721		24
256	Enrichment of surface oxygen functionalities on activated carbon for adsorptive removal of sevoflurane. <i>Chemosphere</i> , 2020 , 260, 127496	8.4	10
255	Self-crosslinkable polyaniline with coordinated stabilized CoOOH nanosheets as a high-efficiency electrocatalyst for oxygen evolution reaction. 2020 , 529, 147173		6
254	Green catalytic process for in situ oxidation of Arsenic(III) in concentrated streams using activated carbon and oxygen gas. <i>Chemosphere</i> , 2020 , 261, 127688	8.4	9
253	Water management implications for ALD-modified polymer electrolyte membrane fuel cell catalysts. 2020 , 22, 1		1
252	Camphor leaf-derived activated carbon prepared by conventional physical activation and its water adsorption profile. 2020 , 31, 737		1
251	Improved chlorate production with platinum nanoparticles deposited on fluorinated activated carbon cloth electrodes. 2020 , 1, 100016		5
250	Enhancing water adsorption capacity of acorn nutshell based activated carbon for adsorption thermal energy storage application. 2020 , 6, 255-263		9

249	Microwave based regenerating permeable reactive barriers (MW-PRBs): Proof of concept and application for Cs removal. <i>Chemosphere</i> , 2020 , 251, 126582	8.4	3
248	Room Temperature Oxidation of the Surface of Highly Oriented Pyrolytic Graphite (HOPG) with Nitrogen Dioxide in the Presence of Supported Palladium Particles. 2020 , 61, 637-645		2
247	Effectiveness, stabilization, and potential feasible analysis of a biochar material on simultaneous remediation and quality improvement of vanadium contaminated soil. 2020 , 277, 123506		14
246	Sulfonated CMK-3: an effective catalyst for the glucose conversion to butyl levulinate as the fuel additive. 2020 , 1		2
245	Characterization of structural and chemical modifications during the steam activation of activated carbons. 2020 , 309, 110549		7
244	Preparation and Performance of Porous Carbon Nanocomposite from Renewable Phenolic Resin and Halloysite Nanotube. <i>Nanomaterials</i> , 2020 , 10,	5.4	3
243	Carbon-coated mesoporous silica incorporating organoruthenium complexes and its application to hydrosilylation of 1-hexyne. 2020 , 46, 5297-5306		0
242	Acetylation of graphite oxide. 2020 , 22, 21059-21067		1
241	Reactive Plasma N-Doping of Amorphous Carbon Electrodes: Decoupling Disorder and Chemical Effects on Capacitive and Electrocatalytic Performance. 2020 , 8, 593932		1
240	Toluene adsorption on porous Cu-BDC@OAC composite at various operating conditions: optimization by response surface methodology.. 2020 , 10, 35582-35596		4
239	Effect of different itaconic acid contents of poly(acrylonitrile-co-itaconic acid)s on their carbonization behaviors at elevated temperatures. 2020 , 181, 109373		2
238	Removal of Estrone, 17 β -Estradiol, and 17 β -Ethinylestradiol from Water by Adsorption onto Chemically Modified Activated Carbon Cloths. 2020 , 21, 2263-2274		3
237	BET, FTIR, and RAMAN characterizations of activated carbon from waste oil fly ash. 2020 , 44, 279-295		6
236	Supercritical catalytic cracking of n-dodecane over air-oxidized activated charcoal. <i>Fuel</i> , 2020 , 276, 118010	10.1	7
235	Nitrogen-Doped Unusually Superwetting, Thermally Insulating, and Elastic Graphene Aerogel for Efficient Solar Steam Generation. 2020 , 12, 26200-26212		25
234	Polyaniline engineering defect-induced nitrogen doped carbon-supported Co ₃ O ₄ hybrid composite as a high-efficiency electrocatalyst for oxygen evolution reaction. 2020 , 526, 146626		11
233	Recent advances on nitrogen-doped metal-free materials for the selective catalytic oxidation of hydrogen sulfide. 2020 , 25, 100361		8
232	Effect of an activating agent on the physicochemical properties and supercapacitor performance of naturally nitrogen-enriched carbon derived from <i>Albizia procera</i> leaves. 2020 , 13, 6161-6173		26

231	Isophthalic acid production catalyzed by Co(II) together with phosphotungstic acid loaded on carbon modified with tartaric acid. 2020 , 95, 3280-3291		0
230	Influence of Loading a Tertiary Amine on Activated Carbons and Effect of CO ₂ on Adsorptive H ₂ S Removal from Biogas. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 9998-10008	8.3	4
229	Aerosol-assisted preparation of N-doped hierarchical porous carbon spheres cathodes toward high-stable lithium-ion capacitors. 2020 , 55, 13127-13140		2
228	Formation and trapping of CO ₂ due to the decomposition of amide solvents during the chemical reduction of graphene oxide by using the solvothermal method. <i>Diamond and Related Materials</i> , 2020 , 108, 107966	3.5	4
227	Synthesis of ultrahigh-surface-area nitrogen-doped porous carbon materials from carboxymethyl cellulose based protic polyanion ionic liquids for high performance supercapacitors. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 3418-3427	5.8	5
226	Macroporous carbon foam with high conductivity as an efficient anode for microbial fuel cells. 2020 , 45, 12121-12129		15
225	Effect of the Presence of Carbon in TiO Electrodes on Anodic Oxidation of Contaminants. 2020 , 54, 5227-5236		25
224	Low-Cost Preparation of High-Surface-Area Nitrogen-Containing Activated Carbons from Biomass-Based Chars by Ammonia Activation. 2020 , 59, 7527-7537		10
223	Promotional removal of gas-phase Hg over activated coke modified by CuCl. 2020 , 27, 17891-17909		8
222	Novel magnetic chitosan/quaternary ammonium salt graphene oxide composite applied to dye removal. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103820	6.8	28
221	Role of acid gases in Hg ₀ removal from flue gas over a novel cobalt-containing biochar prepared from harvested cobalt-enriched phytoremediation plant. 2020 , 207, 106478		11
220	Preparation of hierarchical porous activated carbons from different industrial lignin for highly efficient adsorption performance. 2020 , 27, 1523-1533		5
219	Effects of graphene oxide and reduced graphene oxide on acetoclastic, hydrogenotrophic and methylotrophic methanogenesis. 2020 , 31, 35-45		5
218	Influence of surface chemistry of activated carbon electrodes on electro-assisted adsorption of arsenate. 2020 , 392, 122349		10
217	Removal of emerging pollutants present in water using an E-coli biofilm supported onto activated carbons prepared from argan wastes: Adsorption studies in batch and fixed bed. 2020 , 720, 137491		13
216	Integrating Effect of Surface Modification of Microporous Carbon by Phosphorus/Oxygen as well as the Redox Additive of p-Aminophenol for High-Performance Supercapacitors. 2020 , 7, 1901933		4
215	Covalent Selenium Embedded in Hierarchical Carbon Nanofibers for Ultra-High Areal Capacity Li-Se Batteries. 2020 , 23, 100919		24
214	Preparation and electrochemical properties of sucrose-based porous carbon materials by combustion expansion-chemical activation method. 2020 , 50, 549-558		2

213	Valorization of agricultural wood wastes as electrodes for electrochemical capacitors by chemical activation with H ₃ PO ₄ and KOH. 2020 , 54, 401-420		8
212	Probing the Advantageous Photosensitization Effect of Metal Nanoclusters over Plasmonic Metal Nanocrystals in Photoelectrochemical Water Splitting. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 4989-4998	3.8	26
211	Field technical applicability and cost analysis for microwave based regenerating permeable reactive barriers (MW-PRBs) operating in Cs-contaminated groundwater treatment. 2020 , 260, 110064		5
210	Bio-refining corn stover into microbial lipid and advanced energy material using ionic liquid-based organic electrolyte. 2020 , 145, 112137		13
209	Capacitive Deionization of Divalent Cations for Water Softening Using Functionalized Carbon Electrodes. <i>ACS Omega</i> , 2020 , 5, 2097-2106	3.9	19
208	Understanding the chemical structure of carbon edge sites by using deuterium-labeled temperature-programmed desorption technique. <i>Carbon</i> , 2020 , 161, 343-349	10.4	9
207	Mechanistic insights into acetaminophen removal on cashew nut shell biomass-derived activated carbons. 2021 , 28, 58969-58982		15
206	Preparation and Modification of Biomass-Based Functional Rubbers for Removing Mercury(II) from Aqueous Solution. 2020 , 13,		10
205	Cost-effective and visible-light-driven melamine-derived sponge for tetracyclines degradation and Salmonella inactivation in water. <i>Chemical Engineering Journal</i> , 2020 , 394, 124913	14.7	12
204	Evaluation of Two Potassium-Based Activation Agents for the Production of Oxygen- and Nitrogen-Doped Porous Carbons. 2020 , 34, 6101-6112		6
203	Novel biomaterial design based on <i>Pseudomonas stutzeri</i> carbon xerogel microspheres for hydrocarbon removal from oil-in-saltwater emulsions: A new proposed treatment of produced water in oilfields. 2020 , 35, 101222		8
202	The Intrinsic Nature of Persulfate Activation and N-Doping in Carbocatalysis. 2020 , 54, 6438-6447		188
201	Removal of phenol and inorganic metals from wastewater using activated ceramic. 2021 , 33, 221-226		9
200	Catalytic ozonation of naphthenic acids in the presence of carbon-based metal-free catalysts: Performance and kinetic study. 2021 , 361, 102-108		8
199	A Sustainable Carbon Material from Kraft Black Liquor as Nickel-Based Electrocatalyst Support for Ethanol Electro-Oxidation. 2021 , 12, 2507-2519		3
198	Porous-doped carbon prepared from Friedel-Crafts alkylated crosslinked lignosulfonates for lead removal. 2021 , 56, 1475-1490		
197	Chitin nanofibers as versatile bio-templates of zeolitic imidazolate frameworks for N-doped hierarchically porous carbon electrodes for supercapacitor. 2021 , 251, 117107		21
196	Oxidative hydrothermal surface modification of activated carbon for sevoflurane removal. <i>Chemosphere</i> , 2021 , 264, 128535	8.4	2

195	Conversion of furfural to 2-methylfuran over CuNi catalysts supported on biobased carbon foams. 2021 , 367, 16-27	5
194	Preparation of novel catalyst-free FeC nanocrystals encapsulated NCNT structured catalyst for continuous catalytic wet peroxide oxidation of phenol. 2021 , 407, 124371	6
193	Post-combustion carbon capture. 2021 , 138, 110490	37
192	Understanding and Tuning the Electrical Conductivity of Activated Carbon: A State-of-the-Art Review. 2021 , 46, 1-37	20
191	Remediation of Thorium (IV) from Wastewater: Current Status and Way Forward. 2021 , 50, 177-202	17
190	Batch and fixed-bed mode mercury uptake by a modified adsorbent. 2021 , 208, 60-71	5
189	Preparation of Flax Residue Activated Carbon by KOH Method and Its Electrode Performance. 2021 , 12, 417-435	
188	Air activation of charcoal monoliths for capacitive energy storage.. 2021 , 11, 15118-15130	1
187	Direct hydroxylation of 1,4-Dichlorobenzene to 2,5-Dichlorophenol over Activated Carbon Catalysts. <i>ChemistrySelect</i> , 2021 , 6, 239-248	1.8
186	Precursor accumulation on nanocarbons for the synthesis of LaCoO nanoparticles as electrocatalysts for oxygen evolution reaction.. 2021 , 11, 20313-20321	1
185	A novel and low-cost CuPc@C catalyst derived from the compounds of sunflower straw and copper phthalocyanine pigment for oxygen reduction reaction.. 2021 , 11, 15590-15597	3
184	Reciclagem de fibras de carbono oriundas de compósitos estruturais de matriz epóxi por processo térmico de pirólise e aplicação como materiais de eletrodo em supercapacitores. 2021 , 26,	0
183	The effects of vacuum pyrolysis conditions on wood biochar monoliths for electrochemical capacitor electrodes. 2021 , 56, 8588-8599	5
182	Lignin-based activated carbon-supported metal oxide catalysts in lactic acid production from glucose. 2021 , 612, 118011	5
181	Robust S-doped TiO ₂ @N,S-codoped carbon nanotube arrays as free-binder anodes for efficient sodium storage. 2021 , 53, 175-184	23
180	Acceleration of Nitric Oxide Release in Multilayer Nanofilms through Cu(II) Ion Intercalation for Antibacterial Applications. 2021 , 22, 1312-1322	5
179	Integrated Conductive Hybrid Electrode Materials Based on PPy@ZIF-67-Derived Oxyhydroxide@CFs Composites for Energy Storage. 2021 , 13,	1
178	Construction and Theoretical Calculation of an Ultra-High-Performance LiVPOF/C Cathode by B-Doped Pyrolytic Carbon from Poly(vinylidene Fluoride). 2021 , 13, 15190-15204	3

177	Fabrication, structure and supercapacitance of flexible porous carbon nanobelt webs with enhanced inter-fiber connection. 2021 , 543, 148783		0
176	The Adsorption of Silver on Powdered Activated Carbon in the Ammonia-Free Thiosulfate Leaching Solution. 2021 , 62, 165-173		1
175	Oxidized eucalyptus charcoal: a renewable biosorbent for removing heavy metals from aqueous solutions. 1		7
174	Deciphering the Incredible Supercapacitor Performance of Conducting Bordered Ultramicroporous Graphitic Carbon. 2021 , 4, 4416-4427		9
173	Kinetics, isotherms, effect of structure, and computational analysis during the removal of three representative pharmaceuticals from water by adsorption using a biochar obtained from oil palm fiber. 2021 , 326, 124753		15
172	Adsorption-enrichment characterization of CO ₂ and dynamic retention of free NH ₃ in functionalized biochar with H ₂ O/NH ₃ /H ₂ O activation for promotion of new ammonia-based carbon capture. <i>Chemical Engineering Journal</i> , 2021 , 409, 128193	14.7	19
171	Tobacco stalk-derived carbon prepared by one-step molten salt carbonization for supercapacitor. 2021 , 14, 2151021		1
170	Synthesis and characterization of electrochemically-oxidized amine-functionalized graphite framework materials. <i>Carbon</i> , 2021 , 176, 327-338	10.4	3
169	Trace Metal Loading of B-N-Co-doped Graphitic Carbon for Active and Stable Bifunctional Oxygen Reduction and Oxygen Evolution Electrocatalysts. 2021 , 8, 1685-1693		0
168	Effect of acid treatment on surfaces of activated carbon supported catalysts for NO and SO ₂ removal. 1-9		0
167	Preparation of few-layered graphene using K-THF-GICs with the addition of alcohol. 2021 , 2021, 87-94		
166	Microwave regeneration of granular activated carbon saturated with PFAS. 2021 , 198, 117121		7
165	A modified Hummers soft oxidative method for functionalization of CNTs: Preparation, characterization and potential application for selective determination of norepinephrine. 2021 , 277, 116803		0
164	Effect of oxygen based functional groups on the nucleation of TiO ₂ by atomic layer deposition: A theoretical and experimental study. 2021 , 267, 124588		0
163	Atomic Pyridinic Nitrogen Sites Promoting Levulinic Acid Hydrogenations over Double-Shelled Hollow Ru/C Nanoreactors. 2021 , 17, e2101271		9
162	Improved degradation capability of Fe ₈₁ B ₁₀ C ₉ amorphous ribbon with the nanoscale layer rich of small atoms (B, C). 2021 , 564, 120838		1
161	Synthesis and characterization of Cu doped activated carbon beads from chitosan. 2021 , 322, 111147		0
160	Insight into the performance and stability of N-doped Ordered Mesoporous Carbon Hollow Spheres for the ORR: Influence of the nitrogen species on their catalytic activity after ADT. 2021 , 46, 26087-26100		4

159	Electrochemical Evaluation of Surface Modified Free-Standing CNT Electrode for LiD2 Battery Cathode. 2021 , 14, 4196		1
158	Use of biochar to reduce mercury accumulation in <i>Oryza sativa</i> L: A trial for sustainable management of historically polluted farmlands. 2021 , 153, 106527		36
157	Investigation of the Hg(II) biosorption from wastewater by using garlic plant and differential pulse voltammetry. 2021 , 627, 114263		4
156	Adsorption of estrone, 17 β -estradiol, and 17 α -ethinylestradiol from water onto modified multi-walled carbon nanotubes, carbon cryogel, and carbonized hydrothermal carbon. 2021 , 1		2
155	Graphene oxide synthesis using a top-down approach and discrete characterization techniques: a holistic review. 1		0
154	Improved the specificity of peroxidase-like carbonized polydopamine nanotubes with high nitrogen doping for glutathione detection. 2021 , 341, 129987		2
153	The electro-Fenton regeneration of Granular Activated Carbons: Degradation of organic contaminants and the relationship to the carbon surface. 2021 , 416, 125792		13
152	Ce and Mn/bio-waste-based activated carbon composite: Characterization, phenol adsorption and regeneration. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105788	6.8	1
151	Rapid selective removal of thorium via electrosorption towards efficiently managing rare-earth extraction residue. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105478	6.8	2
150	Elucidating the effects of oxygen- and nitrogen-containing functional groups in graphene nanomaterials for applied electrochemistry by density functional theory. 2021 , 130, 084902		0
149	Carbon Dioxide Adsorption on Carbon Nanofibers with Different Porous Structures. 2021 , 11, 7724		3
148	Porous flexible nitrogen-rich carbon membranes derived from chitosan as free-standing anodes for potassium-ion and sodium-ion batteries. <i>Carbon</i> , 2021 , 181, 1-8	10.4	11
147	Monodisperse core-shell Li4Ti5O12@C submicron particles as high-rate anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2021 , 390, 138874	6.7	2
146	Investigation of thorium separation from rare-earth extraction residue via electrosorption with carbon based electrode toward reducing waste volume. 2021 , 53, 2926-2936		2
145	Key Features of Polyimide-Derived Carbon Molecular Sieves. 2021 , 133, 22496-22505		
144	Room-Temperature Interaction of Nitrogen Dioxide with Rhodium Nanoparticles Supported on the Surface of Highly Oriented Pyrolytic Graphite (HOPG). 2021 , 62, 664-674		0
143	Investigation of a Carbon-Based Sorbent Prepared from FeSO4-Flocculated Sludge for Elemental Mercury Removal from Syngas. 1		
142	Effects of Fe(III) and Cu(II) on the sorption of s-triazine herbicides on clay minerals. 2021 , 418, 126232		0

141	Capture of elemental mercury from flue gas over a magnetic and sulfur-resistant sorbent prepared from Fe-containing sewage sludge activated with sulfuric acid. <i>Fuel</i> , 2021 , 300, 120938	7.1	3
140	Nitrogen doping sludge-derived biochar to activate peroxydisulfate for degradation of sulfamethoxazole: Modulation of degradation mechanism by calcination temperature. 2021 , 418, 126309		16
139	Characterization of multifunctional panels from jute fibers for interior wall covering. 2021 , 167, 113530		0
138	Key Features of Polyimide-Derived Carbon Molecular Sieves. 2021 , 60, 22322-22331		7
137	Pencil peel derived mixed phase activated carbon and metal-organic framework derived cobalt-tungsten oxide for high-performance hybrid supercapacitors. 2021 , 142, 111396		5
136	Oxidative desulfurization of model diesel fuel catalyzed by carbon-supported heteropoly acids: Effect of carbon support. <i>Fuel</i> , 2021 , 301, 121083	7.1	6
135	Enhanced surface and electrochemical properties of nitrogen-doped reduced graphene oxide by violet laser treatment for high charge storage and lower self-discharge supercapacitors. 2021 , 513, 230517		1
134	Degradation of powder activated carbon by laccase-mediator system: Model experiments for the improvement of gold recovery from carbonaceous gold ore. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106375	6.8	2
133	On the Pathways of N-Doped Carbon Materials Active Sites During Oxygen Reduction Reaction.		
132	Adsorption from aqueous phenol and 2,3,4-trichlorophenol solutions on nanoporous carbon prepared from poly(ethylene terephthalate). 2001 , 5-12		5
131	Encyclopedia of Sustainability Science and Technology. 2012 , 8265-8307		4
130	Effect of <i>Acidithiobacillus ferrooxidans</i> and <i>Leptospirillum ferrooxidans</i> on preg-robbing of gold by graphite from thiourea leaching solution. 2020 , 261, 121122		4
129	Propionitrile as a single organic solvent for high voltage electric double-layer capacitors. 2020 , 463, 228134		4
128	Carbon Nanotubes/Nanoporous Anodic Alumina Composite Membranes: Influence of Template on Structural, Chemical, and Transport Properties. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 13634-13644	3.8	11
127	Adsorption of Cd(II) onto Activated Carbon Fiber Prepared by Urea Treatment. 2012 , 38, 242-249		3
126	Modification of Expanded Graphite Electrodes by Ozone Treatment. 2010 , 118, 465-470		2
125	Thermal Modification Effect on Supported Cu-Based Activated Carbon Catalyst in Hydrogenolysis of Glycerol. 2020 , 13,		4
124	Chromium(III) recovery from tanning wastewater by adsorption on activated carbon and elution with sulfuric acid. 2017 , 22, 149-156		2

123	Preparation of Dihydroxy Naphthalene/TiO ₂ Complex via Surface Modification and Their Photocatalytic H ₂ Production Performances Under Visible Light. 2013 , 34, 2056-2062	4
122	Surface Impregnation of Glycine to Activated Carbon Adsorbents for Dry Capture of Carbon Dioxide. 2016 , 10, 99-113	5
121	Effect of surface modification of carbon felts on capacitive deionization for desalination. 2015 , 16, 93-100	13
120	Preparation of few-layer graphene by the decomposition of K-THF-GICs using the addition of various solvents. 2017 , 2017, 139-151	3
119	Sonochemical Reaction of Bifunctional Molecules on Silicon (111) Hydride Surface. 2021 , 26,	
118	Synthesis and characterisation of acid/basic modified adsorbents. Application for chlorophenols removal. 2021 , 112187	
117	Synthesis of Magnetic Adsorbents Based Carbon Highly Efficient and Stable for Use in the Removal of Pb(II) and Cd(II) in Aqueous Solution. 2021 , 14,	
116	The effect of temperature on structure and permittivity of carbon microspheres as efficient adsorbent prepared by facile and large-scale method. <i>Carbon</i> , 2021 , 185, 650-659	10.4 3
115	Waste tire-derived porous nitrogen-doped carbon black as an electrode material for supercapacitors. 2021 , 24, 100535	0
114	Microwave exfoliated graphite oxide (MEGO) heat treatment: Transformation and stability. <i>Diamond and Related Materials</i> , 2021 , 120, 108654	3.5 1
113	Conversion of Polyacrylonitrile to Nanoporous Carbon for Environmental Applications. 2003 , 379-395	1
112	Surface Modification by Heat-treatment of Propellant Waste Impregnated ACF. 2010 , 11, 131-136	1
111	Propellant Shelf-life Extension by Surface-modified Activated Carbon Fiber. 2011 , 49, 443-448	1
110	Role of Surface Chemistry. 2012 , 53-82	2
109	Polymer Electrolyte Membrane Fuel Cells (PEM-FC) and Non-noble Metal Catalysts for Oxygen Reduction. 2012 , 343-386	
108	Effects of Interface Control on the Formation and Properties of Carbon Nanotubes Composites. 417-425	
107	Carbon Corrosion in Polymer Electrolyte Membrane Fuel Cell Catalysts and its Mitigation Strategies. 2013 , 53-72	0
106	Adsorption of Low-level CO ₂ using Activated Carbon Pellet with Glycine Metal Salt Impregnation. 2014 , 30, 68-76	

105	Surface Chemistry of Green Carbons. 2014 , 1-33		1
104	Carbon Nanotube Functionalizations. 2017 , 75-104		
103	Synthesis, Properties, and Applications of Functionalized Carbon Nanostructures. 2017 , 15, 113-131		
102	Huge enhancement in electrochemical performance of nano carbide-derived carbon obtained by simply room-temperature soaking treatment in HF and HNO ₃ mixed solution. 2019 , 26, 1241-1248		0
101	Introduction of Microporous Membranes. 1-52		
100	Interfacial microstructure and properties between epoxy resin and novel organic hybrid graphene oxide modification ultra high molecular weight polyethylene fiber. 2020 , 197, 122472		5
99	Flexible sensor with electrophoretic polymerized graphene oxide/PEDOT:PSS composite for voltammetric determination of dopamine concentration. 2021 , 11, 21101		4
98	Understanding the hazards induced by microplastics in different environmental conditions. 2021 , 127630		2
97	Comparative study on the corrosion and self-cleaning behavior of Fe-B-C and Fe-B-P amorphous alloys in methylene blue dye solution degradation. 2022 , 575, 121212		1
96	Carbon Nanotubes for Microsupercapacitors. 2022 , 434-440		
95	MORPHOLOGY AND SURFACE CHEMISTRY OF CHEMICALLY TREATED ACTIVATED CARBONS. 2006 , 119-132		
94	Effects of demineralization on food waste biochar for co-firing: Behaviors of alkali and alkaline earth metals and chlorine. 2022 , 137, 190-199		1
93	Synthesis and Characterization of Nanoporous Carbon Carriers for Losartan Potassium Delivery. 2021 , 14,		0
92	Demulsification Behavior of Alkali and Organic Acid in Zinc Extraction. 2021 , 11, 1833		
91	Solar Light-Induced Methylene Blue Removal over TiO ₂ /AC Composites and Photocatalytic Regeneration. <i>Nanomaterials</i> , 2021 , 11,	5-4	2
90	Facile Synthesis of Microporous Carbons from Biomass Waste as High Performance Supports for Dehydrogenation of Formic Acid. <i>Nanomaterials</i> , 2021 , 11,	5-4	1
89	Influence of Chemical Activation Temperatures on Nitrogen-Doped Carbon Material Structure, Pore Size Distribution and Oxygen Reduction Reaction Activity. 2021 , 11, 1460		1
88	The adsorption of cationic dye onto ACPMG@ZIF-8 core-shell, optimization using central composite response surface methodology (CCRSM). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 634, 128039	5.1	2

87	Highly Reversible Cycling of Zn-MnO Batteries Integrated with Acid-Treated Carbon Supportive Layer.. 2022 , 6, e2101060		1
86	Ultrathin carbon interim layer encapsulation for constructing p/n heterojunction photoanode towards photoelectrochemical water splitting. 2022 , 162, 106399		2
85	On the deactivation of N-doped carbon materials active sites during oxygen reduction reaction. <i>Carbon</i> , 2022 , 189, 548-560	10.4	2
84	Enhancing the Performance of a Metal-Free Self-Supported Carbon Felt-Based Supercapacitor with Facile Two-Step Electrochemical Activation.. <i>Nanomaterials</i> , 2022 , 12,	5.4	2
83	Nanoarchitectonics of nitrogen-doped porous carbon derived from leather wastes for solid-state supercapacitor. 2022 , 33, 4887		1
82	Effect of sintering under CO+N ₂ /H ₂ and CO ₂ +air atmospheres on the physicochemical features of a commercial nano-YSZ. 2022 , 904, 163976		0
81	Tuning atomically precise metal nanocluster mediated photoelectrocatalysis via a non-conjugated polymer.		6
80	Assessing the functional groups in activated carbons through a multi-technique approach.		0
79	Adsorption of carbon monoxide on novel and Merck activated carbon treated by dielectric barrier discharge.		
78	Understanding the dual-acting of iron and sulfur dioxide over Mn-Fe/AC catalysts for low-temperature SCR of NO. 2022 , 519, 112150		2
77	Nickel sulphide decorated nitrogen rich ordered mesoporous carbon (NOMC) as an efficient catalyst for the electrocatalytic oxidation of urea in alkaline medium. <i>Electrochimica Acta</i> , 2022 , 408, 139920	6.7	3
76	Electronic structure of multi-layered graphene oxide membrane moderately reduced in vacuum. 2022 , 110623		0
75	Low-Temperature Catalytic Combustion of Chlorobenzene Over CeO _x -VO _x /TiO ₂ -Graphene Oxide Catalysts. 1		0
74	Surface Diels-Alder adducts on multilayer graphene for the generation of edge-enriched single-atom FeN ₄ sites for ORR and OER electrocatalysis. <i>Sustainable Energy and Fuels</i> , 2022 , 6, 1603-1615	5.8	0
73	Study of the performance of nitrogen-doped modified activated carbon as catalyst carrier for the selective catalytic reduction of NO with NH ₃ at low temperatures. <i>Australian Journal of Chemistry</i> , 2022 ,	1.2	
72	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
71	Ultra-Durability and Enhanced Activity of Amorphous Cobalt Anchored Polyaniline Synergistic towards Electrocatalytic Water Oxidation. <i>ChemistrySelect</i> , 2022 , 7,	1.8	6
70	Covalent bonding of the extruded polystyrene foams to mortar through ultraviolet-ozone irradiation. <i>Construction and Building Materials</i> , 2022 , 325, 126801	6.7	0

69	Magnetically Recyclable Loofah Biochar by KMnO Modification for Adsorption of Cu(II) from Aqueous Solutions.. <i>ACS Omega</i> , 2022 , 7, 8844-8853	3.9	1
68	Fabrication of developed porous carbon derived from bluecoke powder by microwave-assisted KOH activation for simulative organic wastewater treatment. <i>Diamond and Related Materials</i> , 2022 , 124, 108929	3.5	0
67	Ozonation with ammoxidation as a method of obtaining O, N-doped carbon electrode material to electrochemical capacitors. <i>Electrochimica Acta</i> , 2022 , 413, 140130	6.7	0
66	Effect of water molecules co-intercalation and hydrolysis on the electrochemical deconsolidation of matrix graphite in aqueous nitric acid. <i>Carbon</i> , 2022 , 192, 187-197	10.4	0
65	Single (Ni, Fe) atoms and ultrasml Core@shell Ni@Fe nanostructures Dual-implanted CNTs-Graphene nanonetworks for robust Zn- and Al-Air batteries. <i>Chemical Engineering Journal</i> , 2022 , 440, 135781	14.7	3
64	Synthesis, Characterization, and Dye Removal of ZnCl-Modified Biochar Derived from Pulp and Paper Sludge.. <i>ACS Omega</i> , 2021 , 6, 34712-34723	3.9	0
63	Physiochemically distinct SU-8 surfaces tailor Xylella fastidiosa cell-surface holdfast and colonization.		
62	Comparison of traditional and fullerene-based adsorbents for extraction of 1,4-dioxane and 2-methyl-1,3-dioxolane from milk. <i>Letters on Materials</i> , 2021 , 11, 442-446	0.9	
61	Electrochemical Formation of a Covalentbnic Stage-1 Graphite Intercalation Compound with Trifluoroacetic Acid. <i>Chemistry of Materials</i> , 2022 , 34, 217-231	9.6	2
60	Blast Furnace Slag, Post-Industrial Waste or Valuable Building Materials with Remediation Potential?. <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 478	2.4	2
59	Data_Sheet_1.PDF. 2020 ,		
58	Data_Sheet_1.docx. 2019 ,		
57	Easy enrichment of graphitic nitrogen to prepare highly catalytic carbons for oxygen reduction reaction. <i>Carbon</i> , 2022 ,	10.4	2
56	Physicochemical, structural, and adsorption properties of chemically and thermally modified activated carbons. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 647, 129130	5.1	1
55	Electrochemical and physical properties of pulverized graphite for use in electric double layer capacitors. 2022 , 1, 50-58		
54	Recycle of waste activated coke as an efficient sorbent for Hg0 removal from coal-fired flue gas. <i>Fuel</i> , 2022 , 324, 124645	7.1	0
53	Acid-Base Synergism in Nitrogen- and Oxygen-Functionalized Few-Layer Graphene for Low-Activation Barrier Solid-State Proton Conduction. <i>Journal of Physical Chemistry C</i> ,	3.8	2
52	Facile construction of a highly dispersed PdCo nanocatalyst supported on NH2-UiO-66-derived N/O co-doped carbon for hydrogen evolution from formic acid. <i>Materials Today Chemistry</i> , 2022 , 24, 101001	6.2	0

51	Experimental and Computational Investigation on the Organic Acid Modification of Porous Carbon for Toluene Adsorption under Humid Conditions. <i>Chemical Engineering Journal</i> , 2022 , 138070	14.7	0
50	A novel modified carboxymethyl cellulose hydrogel adsorbent for efficient removal of poisonous metals from wastewater: Performance and mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 108179	6.8	0
49	Highly conductive nanographite/ultra-high-molecular-weight polyethylene composite. <i>Results in Materials</i> , 2022 , 15, 100298	2.3	0
48	A review on activated carbon modifications for the treatment of wastewater containing anionic dyes. <i>Chemosphere</i> , 2022 , 306, 135566	8.4	2
47	A Durable Magnetic Superhydrophobic Melamine Sponge: For Solving Complex Marine Oil Spills. <i>Nanomaterials</i> , 2022 , 12, 2488	5.4	0
46	Electrocatalytic Generation of Cathodic Luminol Electrochemiluminescence with Carbonized Polydopamine Nanotubes at a Low Positive Potential. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	0
45	Boost Effect of Electrolyte Engineering Toward Long-Standing Zinc Anode Via a Non-Ionic Surfactant.		
44	In-Situ Growth of AU Nanoparticles on Polydopamine Nanotube for the Preparation of Hybrid Nanotubes with Improved Enzyme-Like Activity.		
43	Multi-hierarchical flexible composites towards superior fire safety and electromagnetic interference shielding.		4
42	Enhancing antimicrobial activity of β -lactam antibiotic via functionalized mesoporous carbon-based delivery platforms. 2022 , 112160		0
41	Preparation of environmental-friendly N-rich chitin-derived activated carbon for the removal of formaldehyde.		0
40	Microstructure and Melting Loss Behavior of Blast Furnace Incoming Coke and Radial Tuyere Coke. 2022 , 12, 1172		
39	Lotus pollen-derived hierarchically porous carbons with exceptional adsorption performance toward Reactive Black 5: Isotherms, kinetics and thermodynamics investigations. 2022 , 300, 121899		2
38	Advanced dual-gradient carbon nanofibers/graphite felt composite electrode for the next-generation vanadium flow battery. 2023 , 136, 32-42		0
37	Potential of novel porous materials for capture of toluene traces in air under humid conditions. 2022 , 344, 112204		1
36	Highly efficient super activated carbon supported ultra-low loading copper catalyst for the oxidative carbonylation of methanol to dimethyl carbonate. 2022 , 531, 112694		0
35	Supported NiMo carbidic (phosphidic)-sulphidic catalysts as interesting alternatives for hydrotreating of fatty acids to obtain renewable diesel. 2022 , 291, 126728		0
34	Effects of micropore structure of activated carbon and wet conditions on nitrogen oxide removal performance of foam composites. 2022 , 61, 105298		0

33	Optimized adsorption of volatile organic compounds on the activated carbon prepared from mesquite grain: A combined experimental and computational study. 2022 , 10, 108528	0
32	Regulation of surface oxygen functional groups and pore structure of bamboo-derived hard carbon for enhanced sodium storage performance. 2023 , 452, 139514	1
31	Physiochemically Distinct Surface Properties of SU-8 Polymer Modulate Bacterial Cell-Surface Holdfast and Colonization.	0
30	Insight into the Evolution of Ordered Mesoporous sp ² Carbonaceous Material Derived from Self-Assembly of a Block Copolymer. 2022 , 14, 43690-43700	1
29	Steam Activation of Oil Shale to Enhance the Porosity of Produced Semicoke. 2022 , 44, 9064-9073	0
28	Effect of Chemical Activation on Surface Properties of Poly(tetrafluoroethylene-co-hexafluoropropylene) Film. 2022 , 14, 4606	0
27	Steam Activation of Acid-Chars for Enhanced Textural Properties and Pharmaceuticals Removal. 2022 , 12, 3480	0
26	Nanocomposites of GaBr ₃ and BiBr ₃ Nanocrystals on BiOBr for the Photocatalytic Degradation of Dyes and Tetracycline. 2022 , 5, 15676-15691	0
25	Functionalization of activated carbon fiber mat with bimetallic active sites for NH ₃ and H ₂ S adsorption at room temperature. 2022 , 303, 122335	1
24	A facile one pot synthesis of biocarbon derived from water hyacinth and development of pellets for CO ₂ capture applications. 2022 , 167, 106648	0
23	Surface functional groups and degree of carbonization of selected chars from different processes and feedstock. 2022 , 17, e0277365	0
22	Fabrication of tobacco-stem-derived hierarchical porous carbon via synergistic gas exfoliation effect for high-performance supercapacitors. 2023 , 191, 115981	0
21	Tuning the photosensitization efficiency of atomically precise metal nanoclusters by super-efficient and exquisite interface modulation.	1
20	Controllable synthesis of oxygenated carbon supported palladium nanodendrites for highly efficient nitroaromatics reduction. 2023 , 658, 130677	0
19	Biodegradable cotton fiber-based piezoresistive textiles for wearable biomonitoring. 2023 , 222, 114999	1
18	Palladium nanoparticles on chitin-derived nitrogen-doped carbon materials for carbon dioxide hydrogenation into formic acid. 2022 , 12, 33859-33869	0
17	Au Nanoparticles on Polydopamine Nanotubes for Enzyme-Like Nanomaterials with Improved Activities. 2022 , 5, 17870-17878	0
16	Gaseous formaldehyde adsorption by eco-friendly, porous bamboo carbon microfibers obtained by steam explosion, carbonization, and plasma activation. 2022 , 140686	0

- 15 Adsorption of Sr on Electrochemical Deconsolidation Products of Matrix Graphite. **2022**, 154211 ○
- 14 Morphology controlled nitrogen-doped mesoporous carbon vehicles for sustained release of paracetamol. **2023**, 350, 112449 ○
- 13 Comprehension of the adsorption mechanism in the selective color removal of extra-aged Tequila to produce Cristalino Tequila using tailored carbon materials. **2023**, 2, 100174 ○
- 12 Activated carbon for syngas purification. **2023**, 229-250 ○
- 11 Novel designs of carbon electrodes for the technological improvement of electrochemical capacitors. **2023**, 321-358 1
- 10 N-doped activated carbon as support of Pd-Sn bimetallic catalysts for nitrate catalytic reduction. **2023**, ○
- 9 Modification of a commercial activated carbon with nitrogen and boron: Hydrogen storage application. **2023**, 64, 107193 ○
- 8 Comparative study on the structural and electrochemical properties of nitrogen-doped and nitrogen and sulfur co-doped reduced graphene oxide electrode prepared by hydrothermal technique. **2023**, 208, 110887 ○
- 7 A spectroscopic study and the effect of gamma rays on the stability and efficiency of boron subphthalocyanine dye for solar energy applications. **2023**, 208, 110929 ○
- 6 Oxidation of Metaxylene to Isophthalic Acid and Its Application. **2023**, 1251-1292 ○
- 5 Microporous Materials for Separation Membranes for Chromatography. 171-184 ○
- 4 Flexible highly conductive films based on expanded graphite /polymer nanocomposites. 5, ○
- 3 Tuning the reactivity of carbon surfaces with oxygen-containing functional groups. **2023**, 14, ○
- 2 Effects of oxygen-containing functional groups on carbon materials in supercapacitors: A review. **2023**, 230, 111952 ○
- 1 High Performance Vanadium Redox Flow Battery Electrodes. **2024**, 21, ○