

Some aspects of the surface chemistry of carbon blacks

Carbon

32, 759-769

DOI: [10.1016/0008-6223\(94\)90031-0](https://doi.org/10.1016/0008-6223(94)90031-0)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Towards a unified theory of reactions of carbon with oxygen-containing molecules. Carbon, 1995, 33, 1155-1165.	5.4	216
3	Fixation of potassium aurocyanide on active carbons. Carbon, 1995, 33, 1331-1337.	5.4	14
4	Low-Temperature Generation of Basic Carbon Surfaces by Hydrogen Spillover. The Journal of Physical Chemistry, 1996, 100, 17243-17248.	2.9	70
5	Effect of Surface Chemistry on Sorption of Water and Methanol on Activated Carbons. Langmuir, 1996, 12, 6480-6486.	1.6	115
6	On the Modification and Characterization of Chemical Surface Properties of Activated Carbon:Â In the Search of Carbons with Stable Basic Properties. Langmuir, 1996, 12, 4404-4410.	1.6	319
7	Adsorption competition onto activated carbon, studied by magic-angle spinning NMR. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 2615.	1.7	37
8	Adsorption of Water on Activated Carbons:Â A Molecular Simulation Study. The Journal of Physical Chemistry, 1996, 100, 1189-1196.	2.9	353
9	Influence of acidic surface oxides of activated carbon on gas adsorption characteristics. Carbon, 1996, 34, 741-746.	5.4	132
10	X-ray Photoelectron Spectroscopic Study of Petroleum Fuel Cokes. Surface and Interface Analysis, 1996, 24, 223-236.	0.8	86
11	Heat treatment of rockrose char in air. Effect on surface chemistry and porous texture. Carbon, 1996, 34, 533-538.	5.4	36
12	Surface modification and characterization of carbon black with oxygen plasma. Carbon, 1996, 34, 1087-1091.	5.4	62
13	Temperature programmed desorption-mass spectrometer with supersonic molecular beam inlet system. Review of Scientific Instruments, 1997, 68, 4359-4363.	0.6	29
14	Mechanism of hydrogen spillover over carbon supported metal catalysts. Studies in Surface Science and Catalysis, 1997, 112, 241-250.	1.5	24
15	Preparation and Characterization of Nitrogen and Oxygen Containing Graphite-like Pyropolymers from 5-(2-Pyridyl)-2,4-pentadiyn-1-ol. Chemistry of Materials, 1997, 9, 192-200.	3.2	18
16	Coadsorption of Organic Compounds and Water Vapor on BPL Activated Carbon. 3. Ethane, Propane, and Mixing Rules. Industrial & Engineering Chemistry Research, 1997, 36, 2380-2389.	1.8	45
18	Impact of Oxygen-Containing Surface Functional Groups on Activated Carbon Adsorption of Phenols. Environmental Science & Technology, 1997, 31, 1872-1878.	4.6	205
19	On the Modification and Characterization of Chemical Surface Properties of Activated Carbon:Â Microcalorimetric, Electrochemical, and Thermal Desorption Probes. Langmuir, 1997, 13, 3414-3421.	1.6	96
20	Kinetics of Water Vapor Adsorption on Activated Carbon. Langmuir, 1997, 13, 2083-2089.	1.6	157

#	ARTICLE	IF	CITATIONS
21	High power electrochemical capacitors based on carbon nanotube electrodes. Applied Physics Letters, 1997, 70, 1480-1482.	1.5	1,300
22	Effect of the carbon pre-treatment on the properties and performance for nitrobenzene hydrogenation of Pt/C catalysts. Applied Catalysis A: General, 1997, 161, 213-226.	2.2	120
23	Surface acidity of carbons characterized by their continuous pK distribution and Boehm titration. Carbon, 1997, 35, 83-94.	5.4	167
24	Chemical transformations resulting from pyrolysis and CO ₂ activation of Kevlar flocks. Carbon, 1997, 35, 967-976.	5.4	29
25	Influence of low-rank coal char properties on their SO ₂ removal capacity from flue gases: I. Non-activated chars. Carbon, 1997, 35, 1005-1011.	5.4	53
26	Impact of surface properties of activated carbons on oxidative coupling of phenolic compounds. Carbon, 1997, 35, 1349-1359.	5.4	107
27	An experimental and theoretical study of the adsorption of aromatics possessing electron-withdrawing and electron-donating functional groups by chemically modified activated carbons. Carbon, 1997, 35, 1339-1348.	5.4	377
28	The characterization of activated carbons with oxygen and nitrogen surface groups. Carbon, 1997, 35, 1799-1810.	5.4	1,334
29	Cyclic voltammetric studies of chemically and electrochemically generated oxygen species on activated carbons. Electrochimica Acta, 1997, 42, 1441-1447.	2.6	29
30	The determination of surface changes in active carbons by potentiometric titration and water vapour adsorption. Fuel, 1997, 76, 1409-1416.	3.4	33
31	Determination of nitrogen structures on activated carbon surfaces by a chemical method. Fuel, 1997, 76, 381-384.	3.4	12
32	Evaluation of surface properties of exhausted carbons used as H ₂ S adsorbents in sewage treatment plants. Carbon, 1998, 36, 39-44.	5.4	65
33	Acid buffering capacity of basic carbons revealed by their continuous pK distribution. Carbon, 1998, 36, 247-258.	5.4	100
34	Obtention and surface characterisation of several ash-free chars. Carbon, 1998, 36, 1027-1031.	5.4	4
35	The chemistry of carbon surfaces. Fuel, 1998, 77, 543-547.	3.4	89
36	Influence of thermooxidative treatment on the surface properties of anthracite. Fuel, 1998, 77, 577-580.	3.4	12
37	Interactions between Molybdenum and Activated Carbons on the Preparation of Activated Carbon-Supported Molybdenum Catalysts. Journal of Colloid and Interface Science, 1998, 202, 155-166.	5.0	35
38	Agricultural by-products as granular activated carbons for adsorbing dissolved metals and organics. Journal of Chemical Technology and Biotechnology, 1998, 71, 131-140.	1.6	178

#	ARTICLE	IF	CITATIONS
39	States of Pt in Pt/C catalyst precursors after impregnation, drying and reduction steps. Applied Catalysis A: General, 1998, 170, 93-103.	2.2	92
40	Carbons as supports for industrial precious metal catalysts. Applied Catalysis A: General, 1998, 173, 259-271.	2.2	714
41	On the distribution of oxygen-containing surface groups in carbons and their influence on the preparation of carbon-supported molybdenum catalysts. Solid State Ionics, 1998, 112, 103-111.	1.3	21
42	Influence of Char Physicochemical Features on the Flue Gas Nitric Oxide Reduction with Chars. Environmental Science & Technology, 1998, 32, 4017-4022.	4.6	36
43	Diffusion Barriers in the Kinetics of Water Vapor Adsorption/Desorption on Activated Carbons. Langmuir, 1998, 14, 3858-3864.	1.6	110
44	Disordered and ordered C28 solids. Journal of Chemical Physics, 1998, 108, 2631-2637.	1.2	22
45	Estimation of the Surface Properties of Unmodified and Strongly Oxidized Active Carbons on the Basis of Water Vapour Adsorption Isotherms. Adsorption Science and Technology, 1998, 16, 295-302.	1.5	6
47	Surface Charge of Activated Carbon and its Characteristics for Adsorption. Tanso, 1998, 1998, 219-224.	0.1	7
48	Functionalisation of carbon nanotubes for composites. , 1999, , .		2
49	Characterisation and sorption performance of a Hypersolâ€™Macronet polymer and an activated carbon. Reactive and Functional Polymers, 1999, 41, 149-161.	2.0	33
50	Study of electrochemical capacitors utilizing carbon nanotube electrodes. Journal of Power Sources, 1999, 84, 126-129.	4.0	182
51	Oxygen distribution within oxidised active carbon granules. Fuel, 1999, 78, 1443-1448.	3.4	26
52	Effect of pore structure and surface chemistry of virgin activated carbons on removal of hydrogen sulfide. Carbon, 1999, 37, 483-491.	5.4	190
53	Modification of the surface chemistry of active carbons by means of microwave-induced treatments. Carbon, 1999, 37, 1115-1121.	5.4	117
54	Surface functional groups on acid-activated nutshell carbons. Carbon, 1999, 37, 1207-1214.	5.4	217
55	On the characterization of acidic and basic surface sites on carbons by various techniques. Carbon, 1999, 37, 1215-1221.	5.4	693
56	Modification of the surface chemistry of activated carbons. Carbon, 1999, 37, 1379-1389.	5.4	2,642
57	Effect of binder addition on the mechanical and physicochemical properties of low rank coal char briquettes. Carbon, 1999, 37, 1833-1841.	5.4	40

#	ARTICLE	IF	CITATIONS
58	Title is missing!. Journal of Applied Electrochemistry, 1999, 29, 481-487.	1.5	18
59	Title is missing!. Adsorption, 1999, 5, 97-108.	1.4	13
60	Effect of surface chemistry on gas-phase adsorption by activated carbon prepared from oil-palm stone with pre-impregnation. Separation and Purification Technology, 1999, 18, 47-55.	3.9	33
61	Study of Water Adsorption on Activated Carbons with Different Degrees of Surface Oxidation. Journal of Colloid and Interface Science, 1999, 210, 367-374.	5.0	132
62	Effect of Surface Characteristics of Wood-Based Activated Carbons on Adsorption of Hydrogen Sulfide. Journal of Colloid and Interface Science, 1999, 214, 407-415.	5.0	137
63	Effect of pH and Surface Chemistry on the Mechanism of H ₂ S Removal by Activated Carbons. Journal of Colloid and Interface Science, 1999, 216, 360-369.	5.0	144
64	Initial Heats of H ₂ S Adsorption on Activated Carbons: Effect of Surface Features. Journal of Colloid and Interface Science, 1999, 219, 327-332.	5.0	25
65	Modeling the sorption of toxic metals on chelant-impregnated adsorbent. AIChE Journal, 1999, 45, 1135-1146.	1.8	78
66	The effect of activation method on the properties of pecan shell-activated carbons. Journal of Chemical Technology and Biotechnology, 1999, 74, 1037-1044.	1.6	79
67	Effect of Activated Carbon Surface Oxygen- and/or Nitrogen-Containing Groups on Adsorption of Copper(II) Ions from Aqueous Solution. Langmuir, 1999, 15, 6117-6122.	1.6	224
68	Water coadsorption effect on the physical adsorption of N ₂ and O ₂ at room temperature on carbon molecular sieve fibers. Physical Chemistry Chemical Physics, 1999, 1, 479-484.	1.3	9
69	Adsorption by Active Carbons. , 1999, , 237-285.		13
70	Microstructure and electrochemical properties of some synthetic carbons. Synthetic Metals, 1999, 100, 195-204.	2.1	5
71	D/H isotope ratios of kerogen, bitumen, oil, and water in hydrous pyrolysis of source rocks containing kerogen types I, II, IIS, and III. Geochimica Et Cosmochimica Acta, 1999, 63, 3751-3766.	1.6	291
72	Contribution of Pyrone-Type Structures to Carbon Basicity: An ab Initio Study. Langmuir, 1999, 15, 3897-3904.	1.6	54
73	Strategies for the heterogenization of rhodium complexes on activated carbon. Studies in Surface Science and Catalysis, 2000, 143, 295-304.	1.5	10
75	Pyrone-Like Structures as Novel Oxygen-Based Organic Superbases. Angewandte Chemie - International Edition, 2000, 39, 1320-1323.	7.2	17
76	A Chromatographic Effect Observed during Deposition of Cu-Mn Precursors on Active Carbon. Journal of Colloid and Interface Science, 2000, 230, 53-59.	5.0	8

#	ARTICLE	IF	CITATIONS
77	Highly Dispersed X /SiO ₂ and C/ X /SiO ₂ (X =Alumina, Titania, Alumina/Titania) in the Gas and Liquid Media. <i>Journal of Colloid and Interface Science</i> , 2000, 230, 396-409.	5.0	33
78	Palladium catalysts on activated carbon supports. <i>Carbon</i> , 2000, 38, 1241-1255.	5.4	211
79	Preparation and characterization of carbon adsorbents from furfural. <i>Carbon</i> , 2000, 38, 2069-2075.	5.4	40
80	Triplet quenching and antioxidant effect of several carbon black grades in the photodegradation of LDPE doped with benzophenone as a photosensitizer. <i>Polymer Degradation and Stability</i> , 2000, 70, 437-454.	2.7	15
81	Analysis of radical content on carbon black pigments by electron spin resonance: influence of functionality, thermal treatment and adsorption of acidic and basic probes. <i>Polymer Degradation and Stability</i> , 2000, 71, 153-170.	2.7	19
82	Properties of Pt/C and Pd/C catalysts prepared by reduction with hydrogen of adsorbed metal chlorides. <i>Applied Catalysis A: General</i> , 2000, 204, 229-240.	2.2	91
83	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> , 2000, 163, 135-150.	2.3	77
84	Steam- or carbon dioxide-activated carbons from almond shells: physical, chemical and adsorptive properties and estimated cost of production. <i>Bioresource Technology</i> , 2000, 75, 197-203.	4.8	113
85	Acid-activated carbons from almond shells: physical, chemical and adsorptive properties and estimated cost of production. <i>Bioresource Technology</i> , 2000, 71, 87-92.	4.8	169
86	Thermochemical treatment of biomass in a flow of steam or in a mixture of steam and carbon dioxide. <i>Fuel Processing Technology</i> , 2000, 62, 45-52.	3.7	114
87	EXAFS study of Cu/C catalysts. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 448, 318-322.	0.7	5
88	Acid-treated soy hull carbon structure and adsorption performance. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2000, 77, 785-790.	0.8	10
89	Artigo revisÃ£o: estabilizaÃ£o de suspensÃµes aquosas contendo grafite. <i>Ceramica</i> , 2000, 46, 186-195.	0.3	8
90	Comprehensive Investigation of Important Factors Governing Metal-Ion Adsorption by an H-Type Granular Activated Carbon. <i>Separation Science and Technology</i> , 2000, 35, 2063-2081.	1.3	13
91	Unmodified versus Caustics- Impregnated Carbons for Control of Hydrogen Sulfide Emissions from Sewage Treatment Plants. <i>Environmental Science & Technology</i> , 2000, 34, 1069-1074.	4.6	101
92	On the Possibility of Water Regeneration of Unimpregnated Activated Carbons Used as Hydrogen Sulfide Adsorbents. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 2439-2446.	1.8	35
93	Adsorption/Oxidation of Hydrogen Sulfide on Nitrogen-Containing Activated Carbons. <i>Langmuir</i> , 2000, 16, 1980-1986.	1.6	196
94	Wood-Based Activated Carbons as Adsorbents of Hydrogen Sulfide: A Study of Adsorption and Water Regeneration Processes. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 3849-3855.	1.8	37

#	ARTICLE	IF	CITATIONS
95	Effect of Heteroatoms on Lithium Insertion into Carbons. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 340, 511-516.	0.3	0
96	Experimental Investigation of the Transformation and Release to Gas Phase of Potassium and Chlorine during Straw Pyrolysis. <i>Energy & Fuels</i> , 2000, 14, 1280-1285.	2.5	343
97	Comparison of the Surface Features of Two Wood-Based Activated Carbons. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 301-306.	1.8	73
98	Fumed Silica Modified Due to Pyrolysis of Methylene Chloride. <i>Langmuir</i> , 2000, 16, 374-382.	1.6	26
99	Adsorption of Water and Methanol on Micro- and Mesoporous Wood-Based Activated Carbons. <i>Langmuir</i> , 2000, 16, 5435-5440.	1.6	64
100	POROUS CARBONS IN ADSORPTION AND CATALYSIS. , 2001, , 309-355.		25
101	Comparison Between the Electrochemical Behavior of Disordered Carbons and Graphite Electrodes in Connection with Their Structure. <i>Journal of the Electrochemical Society</i> , 2001, 148, A525.	1.3	137
102	Hysteresis-Associated Pressure-Shift-Induced Water Adsorption in Carbon Micropores. <i>Langmuir</i> , 2001, 17, 664-669.	1.6	36
103	Surface Properties of Carbons for Advanced Carbon-Based Composites. , 2001, , 85-122.		3
104	THE INFLUENCE OF ACTIVE CARBON OXIDATION ON THE PREFERENTIAL REMOVAL OF HEAVY METALS. <i>Separation Science and Technology</i> , 2001, 36, 3367-3383.	1.3	4
105	Study of Diethyl Ether Adsorption on Activated Carbons Using IGC at Finite Concentration. <i>Langmuir</i> , 2001, 17, 4967-4972.	1.6	17
106	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. <i>Adsorption Science and Technology</i> , 2001, 19, 565-576.	1.5	14
107	Elucidating the Changes in Activated Carbon Pore Structure as a Result of Tert-Butylbenzene Adsorption and its Desorption by Means of Supercritical Carbon Dioxide. <i>Adsorption Science and Technology</i> , 2001, 19, 303-319.	1.5	3
108	Factors affecting the adsorption of stabilisers on to carbon black (flow micro-calorimetry studies) 4. Secondary antioxidants. <i>Polymer Degradation and Stability</i> , 2001, 72, 31-45.	2.7	12
109	Interactions between carbon black and stabilisers in LDPE thermal oxidation. <i>Polymer Degradation and Stability</i> , 2001, 72, 163-174.	2.7	34
110	Studies of synergism between carbon black and stabilisers in LDPE photodegradation. <i>Polymer Degradation and Stability</i> , 2001, 72, 259-270.	2.7	46
111	Factors affecting the adsorption of fatty acids, alcohols and aromatic compounds on to carbon black pigments (flow micro-calorimetry studies). <i>Dyes and Pigments</i> , 2001, 49, 29-49.	2.0	5
112	Adsorption characteristics of phenol and chlorophenols on granular activated carbons (GAC). <i>Microchemical Journal</i> , 2001, 70, 123-131.	2.3	275

#	ARTICLE	IF	CITATIONS
113	Synthesis of supported palladium catalysts. <i>Journal of Molecular Catalysis A</i> , 2001, 173, 75-98.	4.8	302
114	Oxidation of pinane using transition metal acetylacetonate complexes immobilised on modified activated carbon. <i>Applied Catalysis A: General</i> , 2001, 207, 221-228.	2.2	36
115	Activated carbon supported Pt catalysts: effect of support texture and metal precursor on activity of acetone hydrogenation. <i>Applied Catalysis A: General</i> , 2001, 208, 35-46.	2.2	68
116	Preparation and characterization of activated carbons from oil-palm stones for gas-phase adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 179, 151-162.	2.3	82
117	Adsorption capacities and related characteristics of wood charcoals carbonized using a one-step or two-step process. <i>Journal of Wood Science</i> , 2001, 47, 48-57.	0.9	74
118	Surface Chemistry of Activated Carbons: Combining the Results of Temperature-Programmed Desorption, Boehm, and Potentiometric Titrations. <i>Journal of Colloid and Interface Science</i> , 2001, 240, 252-258.	5.0	263
119	A Study of Acetaldehyde Adsorption on Activated Carbons. <i>Journal of Colloid and Interface Science</i> , 2001, 242, 44-51.	5.0	54
120	Adsorption of Anionic Surfactant by Activated Carbon: Effect of Surface Chemistry, Ionic Strength, and Hydrophobicity. <i>Journal of Colloid and Interface Science</i> , 2001, 243, 306-315.	5.0	151
121	Aqueous suspension of fumed oxides: particle size distribution and zeta potential. <i>Advances in Colloid and Interface Science</i> , 2001, 91, 1-112.	7.0	198
122	Changes in GAC pore structure during full-scale water treatment at Cincinnati: a comparison between virgin and thermally reactivated GAC. <i>Carbon</i> , 2001, 39, 789-807.	5.4	70
123	On the effect of surface oxygen complexes on iron-catalyzed carbon hydrogenation. <i>Carbon</i> , 2001, 39, 291-294.	5.4	3
124	Effect of activation on the surface chemistry of carbons from polymer precursors. <i>Carbon</i> , 2001, 39, 1217-1228.	5.4	227
125	Pecan shell activated carbon: synthesis, characterization, and application for the removal of copper from aqueous solution. <i>Carbon</i> , 2001, 39, 1849-1855.	5.4	127
126	Effect of moisture in microporous activated carbon on the adsorption of methane. <i>Carbon</i> , 2001, 39, 773-776.	5.4	30
127	Elucidation of the ion binding mechanism in heterogeneous carbon-composite adsorbents. <i>Carbon</i> , 2001, 39, 2313-2324.	5.4	56
128	Transport and sorption of water vapour in activated carbons. <i>Carbon</i> , 2001, 39, 2339-2346.	5.4	94
129	Determination of the acidic sites of purified single-walled carbon nanotubes by acid-base titration. <i>Chemical Physics Letters</i> , 2001, 345, 25-28.	1.2	306
130	Title is missing!. <i>Journal of Materials Science</i> , 2001, 36, 4419-4431.	1.7	18

#	ARTICLE	IF	CITATIONS
131	Title is missing!. Journal of Materials Science, 2001, 36, 4443-4457.	1.7	15
132	Title is missing!. Journal of Materials Science, 2001, 36, 2885-2898.	1.7	21
133	Study of Activated Carbon After Oxidation and Subsequent Treatment. Chemical Engineering Research and Design, 2001, 79, 211-217.	2.7	29
134	Carbon Materials as Adsorbents for the Removal of Pollutants from the Aqueous Phase. MRS Bulletin, 2001, 26, 890-894.	1.7	67
135	Enhancement of Reversible Hydrogen Capacity into Activated Carbon through Water Electrolysis. Electrochemical and Solid-State Letters, 2001, 4, A27.	2.2	84
136	Changes in the Surface Chemistry and Adsorptive Properties of Active Carbon Previously Oxidised and Heat-Treated at Various Temperatures. II. Electrochemical Investigations of Surface Chemistry. Adsorption Science and Technology, 2002, 20, 583-593.	1.5	5
137	An IGC and TA study of acetaldehyde adsorption on activated carbons. Studies in Surface Science and Catalysis, 2002, , 247-254.	1.5	6
138	A novel approach for characterising carbon catalysts by TAP experiments. Studies in Surface Science and Catalysis, 2002, 144, 255-260.	1.5	2
139	Adsorption and Reaction of Diethyl Sulfide on Active Carbons with and without Impregnants under Static Conditions. Langmuir, 2002, 18, 4300-4306.	1.6	12
140	A Role of Sodium Hydroxide in the Process of Hydrogen Sulfide Adsorption/Oxidation on Caustic-Impregnated Activated Carbons. Industrial & Engineering Chemistry Research, 2002, 41, 672-679.	1.8	123
141	Effect of Surface Characteristics on Adsorption of Methyl Mercaptan on Activated Carbons. Industrial & Engineering Chemistry Research, 2002, 41, 4346-4352.	1.8	71
143	Chemical Vapor Deposition Methods for the Controlled Preparation of Supported Catalytic Materials. Chemical Reviews, 2002, 102, 3085-3128.	23.0	224
144	Simulation Study of the Effect of the Chemical Heterogeneity of Activated Carbon on Water Adsorption. Langmuir, 2002, 18, 9296-9306.	1.6	160
145	Mechano-chemical functionalization of carbon nanotubes. AIP Conference Proceedings, 2002, , .	0.3	2
146	Acetaldehyde Adsorption on Nitrogen-Containing Activated Carbons. Langmuir, 2002, 18, 3213-3218.	1.6	60
147	Copper ion removal by almond shell carbons and commercial carbons: batch and column studies. Separation Science and Technology, 2002, 37, 2369-2383.	1.3	54
148	Interactions of water, methanol and diethyl ether molecules with the surface of oxidized activated carbon. Molecular Physics, 2002, 100, 2041-2048.	0.8	17
149	Water organisation at the solid-aqueous solution interface. Comptes Rendus - Geoscience, 2002, 334, 611-631.	0.4	72

#	ARTICLE	IF	CITATIONS
150	Effect of Ozone Treatment on Surface Properties of Activated Carbon. Langmuir, 2002, 18, 2111-2116.	1.6	385
151	Characterization of Activated Carbon Using X-ray Photoelectron Spectroscopy and Inelastic Neutron Scattering Spectroscopy. Langmuir, 2002, 18, 4667-4673.	1.6	56
152	Perchlorate removal via IRON-PRELOADED GAC and BOROHYDRIDE REGENERATION. Journal - American Water Works Association, 2002, 94, 90-102.	0.2	33
153	Surface Oxidation of Carbon Nanofibres. Chemistry - A European Journal, 2002, 8, 1151.	1.7	286
154	Surface Structure of Untreated Parallel and Fishbone Carbon Nanofibres: An Infrared Study. ChemPhysChem, 2002, 3, 209-214.	1.0	32
155	Activated Carbon Oxygen Content Influence on Water and Surfactant Adsorption. Journal of Colloid and Interface Science, 2002, 246, 235-240.	5.0	60
156	On the Characterization of Chemical Surface Groups of Carbon Materials. Journal of Colloid and Interface Science, 2002, 248, 116-122.	5.0	92
157	Characterization and Metal Sorptive Properties of Oxidized Active Carbon. Journal of Colloid and Interface Science, 2002, 250, 213-220.	5.0	121
158	Equilibrium Adsorption of Molybdosilicic Acid Solutions on Carbon and Silica: Basic Studies for the Preparation of Ecofriendly Acidic Catalysts. Journal of Colloid and Interface Science, 2002, 251, 151-159.	5.0	42
159	Influence of Organics on the Structure of Water Adsorbed on Activated Carbons. Journal of Colloid and Interface Science, 2002, 253, 23-34.	5.0	46
160	Carbon materials as catalysts for methylamines synthesis. Applied Catalysis A: General, 2002, 224, 239-253.	2.2	21
161	Dynamic adsorption of ammonia on activated carbons measured by flow microcalorimetry. Applied Catalysis A: General, 2002, 233, 141-150.	2.2	34
162	Voltammetric studies of the gradual thermal decomposition of activated carbon surface oxygen complexes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 208, 313-320.	2.3	35
163	Heterogeneity of synthetic carbons obtained from polyimides. Applied Surface Science, 2002, 196, 89-97.	3.1	18
164	Formation of CO precursors during char gasification with O ₂ , CO ₂ and H ₂ O. Fuel Processing Technology, 2002, 77-78, 125-130.	3.7	62
165	Surface acidity of the activated CBC. Fuel Processing Technology, 2002, 77-78, 317-324.	3.7	11
166	Electrochemical storage of hydrogen in activated carbons. Fuel Processing Technology, 2002, 77-78, 415-421.	3.7	59
167	Oxidized carbon as a support of copper oxide catalysts for methanol decomposition to hydrogen and carbon monoxide. Fuel, 2002, 81, 203-209.	3.4	29

#	ARTICLE	IF	CITATIONS
168	Preparation, modification, and characterization of pitches from apricot stones. <i>Fuel Processing Technology</i> , 2002, 75, 97-107.	3.7	10
169	Modified porous carbon materials as catalytic support for cathodic reduction of dioxygen. <i>Fuel Processing Technology</i> , 2002, 79, 251-257.	3.7	21
170	Volatilisation and catalytic effects of alkali and alkaline earth metallic species during the pyrolysis and gasification of Victorian brown coal. Part III. The importance of the interactions between volatiles and char at high temperature. <i>Fuel</i> , 2002, 81, 1033-1039.	3.4	187
171	Mechanism of lithium electrosorption by activated carbons. <i>Electrochimica Acta</i> , 2002, 47, 1545-1553.	2.6	22
172	Characterisation of the surface of oxidised carbon adsorbents. <i>Carbon</i> , 2002, 40, 95-104.	5.4	173
173	Formation of oxygen complexes by ozonation of carbonaceous materials prepared from cherry stones. <i>Carbon</i> , 2002, 40, 513-522.	5.4	59
174	Surface oxides on carbon and their analysis: a critical assessment. <i>Carbon</i> , 2002, 40, 145-149.	5.4	1,600
175	Effect of oxygen functional groups on synthetic carbons on liquid phase oxidation of cyclohexanone. <i>Carbon</i> , 2002, 40, 1267-1278.	5.4	60
176	Synthetic carbons activated with phosphoric acid. <i>Carbon</i> , 2002, 40, 1493-1505.	5.4	483
177	Changes in pore properties of phenol formaldehyde-based carbon with carbonization and oxidation conditions. <i>Carbon</i> , 2002, 40, 2003-2012.	5.4	19
178	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.	5.4	600
179	Catalytic oxidation of Fe(II) by activated carbon in the presence of oxygen.. <i>Carbon</i> , 2002, 40, 2827-2834.	5.4	56
180	Properties of Carbon-Supported Platinum Catalysts: Role of Carbon Surface Sites. <i>Journal of Catalysis</i> , 2002, 209, 355-364.	3.1	207
181	Activated Carbons Developed from a Rapidly Renewable Biosource for Removal of Cadmium(II) and Nickel(II) Ions from Dilute Aqueous Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 180-189.	1.8	100
182	Lignocellulosic Materials as Potential Biosorbents of Trace Toxic Metals from Wastewater. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 3580-3585.	1.8	165
183	A Novel Type of Nanoporous Carbon Material Supporting High Dispersion of Rhodium Nanoparticles. <i>Catalysis Letters</i> , 2003, 89, 115-119.	1.4	8
184	Title is missing!. <i>Journal of Materials Science</i> , 2003, 38, 2995-3005.	1.7	278
185	Title is missing!. <i>Adsorption</i> , 2003, 9, 303-309.	1.4	49

#	ARTICLE	IF	CITATIONS
186	Title is missing!. Adsorption, 2003, 9, 311-319.	1.4	60
187	Surface Functional Groups on Oil-Palm-Shell Adsorbents Prepared by H ₃ PO ₄ and KOH Activation and their Effects on Adsorptive Capacity. Chemical Engineering Research and Design, 2003, 81, 585-590.	2.7	40
188	Adsorption of Transition Metals from Aqueous Solutions by Modified Activated Carbons. Chemical Engineering Research and Design, 2003, 81, 1343-1353.	2.7	23
189	Title is missing!. Catalysis Letters, 2003, 86, 145-149.	1.4	3
190	Modeling of High-Pressure Adsorption Using the Bender Equation of State. Langmuir, 2003, 19, 314-320.	1.6	22
191	Catalytic wet air oxidation of aqueous ammonia with activated carbon. Applied Catalysis B: Environmental, 2003, 46, 229-237.	10.8	84
192	Carbon-supported palladium catalysts. Molecular orbital study. Journal of Catalysis, 2003, 214, 53-67.	3.1	37
193	Textural and chemical properties of adsorbent prepared from palm shell by phosphoric acid activation. Materials Chemistry and Physics, 2003, 80, 114-119.	2.0	105
194	Predicting adsorption of water/organic mixtures using molecular simulation. AIChE Journal, 2003, 49, 2059-2070.	1.8	34
195	Heavy metal removal by olive pomace: biosorbent characterisation and equilibrium modelling. Chemical Engineering Science, 2003, 58, 4709-4717.	1.9	270
196	Oxygen plasma modification of pitch-based isotropic carbon fibres. Carbon, 2003, 41, 41-56.	5.4	181
197	Methods of determining polar and non-polar sites on carbonaceous adsorbents. The contribution of the linear solvation energy relationship approach. Carbon, 2003, 41, 867-879.	5.4	32
198	Synthetic carbons activated with phosphoric acid III. Carbons prepared in air. Carbon, 2003, 41, 1181-1191.	5.4	141
199	Effect of carbon fiber surface functional groups on the mechanical properties of carbon-carbon composites with HTT. Carbon, 2003, 41, 1193-1203.	5.4	91
200	Noble metals supported on carbon black composites as catalysts for the wet-air oxidation of phenol. Carbon, 2003, 41, 1515-1523.	5.4	39
201	The influence of the texture and surface properties of carbon adsorbents obtained from biomass products on the adsorption of manganese ions from aqueous solution. Carbon, 2003, 41, 1897-1903.	5.4	70
202	The role of different nitrogen functional groups on the removal of SO ₂ from flue gases by N-doped activated carbon powders and fibres. Carbon, 2003, 41, 1925-1932.	5.4	196
203	Synthesis and characterisation of medium surface area silicon carbide nanotubes. Carbon, 2003, 41, 2131-2139.	5.4	123

#	ARTICLE	IF	CITATIONS
204	Surface spectroscopic study of basic sites on carbon blacks. <i>Carbon</i> , 2003, 41, 2662-2665.	5.4	78
205	Comparison of the differential isosteric adsorption enthalpies and entropies calculated from chromatographic data. <i>Journal of Chromatography A</i> , 2003, 986, 89-99.	1.8	18
206	Oxidation of activated carbon: application to vinegar decolorization. <i>Journal of Colloid and Interface Science</i> , 2003, 257, 173-178.	5.0	27
207	Role of surface chemistry in adsorption of phenol on activated carbons. <i>Journal of Colloid and Interface Science</i> , 2003, 264, 307-312.	5.0	202
208	The effect of surface chemical functional groups on the adsorption and desorption of a polar molecule, acetone, from a model carbonaceous surface, graphite. <i>Surface Science</i> , 2003, 522, 17-26.	0.8	42
209	Chemical composition of plasma treated polyimide microspheres. <i>Applied Surface Science</i> , 2003, 214, 52-57.	3.1	11
210	Recovery of volatile aroma components from aqueous waste streams using an activated carbon column. <i>Food Chemistry</i> , 2003, 82, 195-202.	4.2	28
211	Interaction of water, methanol and benzene molecules with hydrophilic centres at a partially oxidised model graphite surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 215, 285-291.	2.3	28
212	Fumed oxides modified due to pyrolysis of cyclohexene. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 218, 103-124.	2.3	7
213	Mesoporous carbon nanotubes for use as support in catalysis and as nanosized reactors for one-dimensional inorganic material synthesis. <i>Applied Catalysis A: General</i> , 2003, 254, 345-363.	2.2	117
214	Sorption Hysteresis of Benzene in Charcoal Particles. <i>Environmental Science & Technology</i> , 2003, 37, 409-417.	4.6	305
215	Infrared Spectroscopy of Carbon Materials: A Quantum Chemical Study of Model Compounds. <i>Journal of Physical Chemistry B</i> , 2003, 107, 6350-6359.	1.2	328
216	Mercury Adsorption by Different Modifications of Furfural Adsorbent. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 2223-2229.	1.8	23
217	Influence of Carbon-Chlorine Surface Complexes on the Properties of Tungsten Oxide Supported on Activated Carbons. 1. Dispersion, Distribution, and Chemical Nature of the Metal Oxide Phase. <i>Journal of Physical Chemistry B</i> , 2003, 107, 4997-5002.	1.2	4
218	Effect of Condensable Impurities in CO ₂ /CH ₄ Gas Feeds on Carbon Molecular Sieve Hollow-Fiber Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 1064-1075.	1.8	55
219	Adsorption of Acetone, Methyl Ethyl Ketone, 1,1,1-Trichloroethane, and Trichloroethylene in Granular Activated Carbons. <i>Journal of Chemical & Engineering Data</i> , 2003, 48, 416-420.	1.0	18
220	Textural and Chemical Surface Modifications Produced by Some Oxidation Treatments of a Glassy Carbon. <i>Langmuir</i> , 2003, 19, 2838-2844.	1.6	54
221	Removal of mercury (II) from aqueous solution by activated carbon obtained from furfural. <i>Chemosphere</i> , 2003, 52, 835-841.	4.2	204

#	ARTICLE	IF	CITATIONS
222	Adsorption/Oxidation of CH ₃ SH on Activated Carbons Containing Nitrogen. <i>Langmuir</i> , 2003, 19, 6115-6121.	1.6	70
223	Heterogeneity of adsorption energy of water, methanol and diethyl ether on activated carbons: effect of porosity and surface chemistry. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 2096.	1.3	19
224	Effect of increased basicity of activated carbon surface on valeric acid adsorption from aqueous solution activated carbon. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4892.	1.3	17
225	Influence of activated carbon oxidation treatments on the selective removal of copper and lead. <i>Chemical Engineering Communications</i> , 2003, 190, 610-629.	1.5	9
226	Surface Composition and Adsorption Properties of Activated Carbon Cloth. <i>Materials Science Forum</i> , 2004, 453-454, 163-168.	0.3	7
227	Influence of the Alcohol Molecular Size in the Dehydration Reaction Catalyzed by Carbon-Supported Heteropolyacids. <i>Catalysis Letters</i> , 2004, 93, 67-73.	1.4	16
228	Ammonia-treated activated carbon as support of Ru-Ba catalyst for ammonia synthesis. <i>Reaction Kinetics and Catalysis Letters</i> , 2004, 83, 39-45.	0.6	9
229	Interaction of Water and Methanol Molecules with the Surface of Carbonaceous Materials According to Gas Chromatographic Data. <i>Theoretical and Experimental Chemistry</i> , 2004, 40, 125-129.	0.2	3
230	Adsorption of valeric acid from aqueous solution onto activated carbons: role of surface basic sites. <i>Journal of Colloid and Interface Science</i> , 2004, 273, 64-72.	5.0	104
231	Synthesis of carbon nanotubes from a chlorine-containing precursor and their properties. <i>Carbon</i> , 2004, 42, 2581-2587.	5.4	33
232	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.	5.4	228
233	Comparison of the kinetics of methanol adsorption in static and continuous flow conditions on activated carbons with different burn-off degree. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 232, 175-181.	2.3	4
234	Characterization of activated carbon prepared from a single cultivar of Jordanian Olive stones by chemical and physicochemical techniques. <i>Journal of Analytical and Applied Pyrolysis</i> , 2004, 71, 151-164.	2.6	193
235	Low cost catalytic sorbents for NO _x reduction. 3. NO reduction tests using NH ₃ as reducing agent. <i>Fuel</i> , 2004, 83, 875-884.	3.4	19
236	The effect of demineralisation on a lignite surface properties. <i>Fuel</i> , 2004, 83, 845-850.	3.4	17
237	Single-stage liquid-phase synthesis of methyl isobutyl ketone under mild conditions. <i>Journal of Molecular Catalysis A</i> , 2004, 219, 273-281.	4.8	31
238	Hydrogen spillover to enhance hydrogen storage—study of the effect of carbon physicochemical properties. <i>Applied Catalysis A: General</i> , 2004, 265, 259-268.	2.2	282
239	Bituminous coal-based activated carbons modified with nitrogen as adsorbents of hydrogen sulfide. <i>Carbon</i> , 2004, 42, 469-476.	5.4	252

#	ARTICLE	IF	CITATIONS
240	The effect of protein binding on ibuprofen adsorption to activated carbons. Carbon, 2004, 42, 565-571.	5.4	20
241	Mercury (II) adsorption by activated carbon made from sago waste. Carbon, 2004, 42, 745-752.	5.4	159
242	Surface characterisation of synthetic coal chars made from model compounds. Carbon, 2004, 42, 1345-1350.	5.4	15
243	The effect of H ₂ treatment on the activity of activated carbon for the oxidation of organic contaminants in water and the H ₂ O ₂ decomposition. Carbon, 2004, 42, 2279-2284.	5.4	149
244	Effect of Surface Oxygen Complexes of Activated Carbon on Phenol Adsorption from Single and Mixed Non-Aqueous Solvents. Separation Science and Technology, 2004, 39, 2997-3009.	1.3	4
245	Sulfur Transformations during Thermal Conversion of Herbaceous Biomass. Energy & Fuels, 2004, 18, 810-819.	2.5	189
246	Compositions and Sorptive Properties of Crop Residue-Derived Chars. Environmental Science & Technology, 2004, 38, 4649-4655.	4.6	904
247	pH-Dependence of Pesticide Adsorption by Wheat-Residue-Derived Black Carbon. Langmuir, 2004, 20, 6736-6741.	1.6	254
248	Adsorption of Aromatic Compounds from Water by Treated Carbon Materials. Environmental Science & Technology, 2004, 38, 5786-5796.	4.6	75
249	Acid/Base-Treated Activated Carbons: Characterization of Functional Groups and Metal Adsorptive Properties. Langmuir, 2004, 20, 2233-2242.	1.6	315
250	Influence of Surface Properties on the Mechanism of H ₂ S Removal by Alkaline Activated Carbons. Environmental Science & Technology, 2004, 38, 316-323.	4.6	102
251	Competitive Adsorption of Aqueous Metal Ions on an Oxidized Nanoporous Activated Carbon. Langmuir, 2004, 20, 4566-4578.	1.6	118
252	Hardwood-Based Granular Activated Carbon for Metals Remediation. Journal - American Water Works Association, 2004, 96, 95-102.	0.2	12
253	The Use of Activated Carbons with Basic Properties for the Treatment of 2-Chlorophenol. Adsorption Science and Technology, 2004, 22, 451-465.	1.5	10
254	Synthetic Carbons Derived from a Styrene-Divinylbenzene Copolymer Using Phosphoric Acid Activation. Adsorption Science and Technology, 2005, 23, 19-26.	1.5	2
255	Adsorption of cadmium(II) from aqueous solution on natural and oxidized corncob. Separation and Purification Technology, 2005, 45, 41-49.	3.9	220
256	Surface chemistry of porous carbons from N-polymers and their blends with pitch. Microporous and Mesoporous Materials, 2005, 82, 113-120.	2.2	42
257	CO ₂ removal potential of carbons prepared by co-pyrolysis of sugar and nitrogen containing compounds. Journal of Analytical and Applied Pyrolysis, 2005, 74, 298-306.	2.6	46

#	ARTICLE	IF	CITATIONS
258	Adsorption of NH ₃ onto activated carbon prepared from palm shells impregnated with H ₂ SO ₄ . Journal of Colloid and Interface Science, 2005, 281, 285-290.	5.0	155
259	Interaction of amphetamine and its N-alkyl-substituted derivatives with micro- and mesoporous adsorbents in polar liquids. Journal of Colloid and Interface Science, 2005, 282, 261-269.	5.0	14
260	Role of copper chloride on the surface of activated carbon in adsorption of methyl mercaptan. Journal of Colloid and Interface Science, 2005, 283, 311-315.	5.0	45
261	Surface modification of carbonaceous materials for EDLCs application. Electrochimica Acta, 2005, 50, 3616-3621.	2.6	56
262	Utilization of turkey manure as granular activated carbon: Physical, chemical and adsorptive properties. Waste Management, 2005, 25, 726-732.	3.7	41
263	Behaviour of activated carbons with different pore size distributions and surface oxygen groups for benzene and toluene adsorption at low concentrations. Carbon, 2005, 43, 1758-1767.	5.4	472
264	Ordered mesoporous carbons: Implication of surface chemistry, pore structure and adsorption of methyl mercaptan. Carbon, 2005, 43, 1868-1873.	5.4	81
265	Modified activated carbons for catalytic wet air oxidation of phenol. Carbon, 2005, 43, 2134-2145.	5.4	128
266	Diesel fuel desulfurization with hydrogen peroxide promoted by formic acid and catalyzed by activated carbon. Carbon, 2005, 43, 2285-2294.	5.4	177
267	Water adsorption on carbon molecular sieve membranes: Experimental data and isotherm model. Carbon, 2005, 43, 2769-2779.	5.4	82
268	Surface chemistry of phosphorus-containing carbons of lignocellulosic origin. Carbon, 2005, 43, 2857-2868.	5.4	316
269	Enhanced methanol electrooxidation activity of PtRu nanoparticles supported on H ₂ O ₂ -functionalized carbon black. Carbon, 2005, 43, 3002-3005.	5.4	70
270	Comparative study of herringbone and stacked-cup carbon nanofibers. Carbon, 2005, 43, 3005-3008.	5.4	30
271	Platinum catalysts supported on MWNT for catalytic wet air oxidation of nitrogen containing compounds. Catalysis Today, 2005, 102-103, 101-109.	2.2	84
272	Novel activated carbon-based catalyst for the selective catalytic reduction of nitrogen oxide. Catalysis Today, 2005, 102-103, 142-147.	2.2	40
273	H/D exchange using D ₂ O on carbon materials: A flexible tool for surface Brønsted acidity direct measurement. Catalysis Today, 2005, 102-103, 266-272.	2.2	4
274	Characterization and phenols sorptive properties of carbons activated by sulphuric acid. Chemical Engineering Journal, 2005, 116, 47-47.	6.6	4
275	Effect of oxidant treatment of date pit active carbons used as Pd supports in catalytic hydrogenation of nitrobenzene. Applied Catalysis A: General, 2005, 286, 167-174.	2.2	74

#	ARTICLE	IF	CITATIONS
276	Surface modification of low cost carbons for their application in the environmental protection. Applied Surface Science, 2005, 252, 619-624.	3.1	122
277	Granular activated carbons from broiler manure: physical, chemical and adsorptive properties?. Bioresource Technology, 2005, 96, 699-706.	4.8	116
278	Use of the T _A ³ th and Unilan Equations for Chromatographic Testing of the Adsorption Properties of Active Carbon. Chromatographia, 2005, 62, 295-304.	0.7	3
279	Hydrotalcites supported on carbon nanofibers as solid base catalysts for the synthesis of MIBK. Journal of Catalysis, 2005, 236, 91-100.	3.1	70
280	Surface chemistry of wood-based phosphoric acid-activated carbons and its effects on adsorptivity. Journal of Chemical Technology and Biotechnology, 2005, 80, 878-883.	1.6	11
281	A study of ignition of metal impregnated carbons: the influence of oxygen content in the activated carbon matrix. Journal of Colloid and Interface Science, 2005, 282, 102-108.	5.0	14
282	Role of minerals in carbonaceous adsorbents for removal of Pb(II) ions from aqueous solution. Separation and Purification Technology, 2005, 46, 88-94.	3.9	91
283	Gas-Chromatographic Studies of the Interaction between Water and Methanol Molecules and the Surface of Carbon Materials. Adsorption, 2005, 11, 385-391.	1.4	11
284	Heterogeneity of Adsorption Energy of Water, Methanol and Diethyl Ether on Activated Carbons. Adsorption, 2005, 11, 97-102.	1.4	5
285	Effect of surface properties of activated carbons on surfactant adsorption kinetics. Korean Journal of Chemical Engineering, 2005, 22, 705-711.	1.2	6
286	Carbon materials and catalytic wet air oxidation of organic pollutants in wastewater. Topics in Catalysis, 2005, 33, 3-50.	1.3	160
287	High capacity supercapacitors based on modified activated carbon aerogel. Journal of Applied Electrochemistry, 2005, 35, 229-233.	1.5	73
288	Adsorption of Pb (II) from aqueous solution onto charcoal and activated carbon. Tanso, 2005, 2005, 13-18.	0.1	10
289	Reinforcement of Elastomers by Particulate Fillers. , 2005, , 367-400.		48
290	Oxidative Desulfurization of Diesel Fuels with Hydrogen Peroxide in the Presence of Activated Carbon and Formic Acid. Energy & Fuels, 2005, 19, 447-452.	2.5	104
291	Hydrogen Adsorption on Functionalized Nanoporous Activated Carbons. Journal of Physical Chemistry B, 2005, 109, 8880-8888.	1.2	209
292	Postcombustion Measures for Cleaner Solid Fuels Combustion:â€‰‰ Activated Carbons for Toxic Pollutants Removal from Flue Gases. Energy & Fuels, 2005, 19, 2317-2327.	2.5	10
293	Modified Langmuir-like Model for Modeling the Adsorption from Aqueous Solutions by Activated Carbons. Langmuir, 2005, 21, 217-224.	1.6	31

#	ARTICLE	IF	CITATIONS
294	Monte Carlo Simulation and Pore-Size Distribution Analysis of the Isothermic Heat of Adsorption of Methane in Activated Carbon. <i>Langmuir</i> , 2005, 21, 8297-8301.	1.6	41
295	Adsorption of Co(II) by a carboxylate-functionalized polyacrylamide grafted lignocellulosics. <i>Chemosphere</i> , 2005, 58, 1117-1126.	4.2	72
296	Effect of Nitric Acid Pretreatment on the Properties of Activated Carbon and Supported Palladium Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 5478-5482.	1.8	91
297	Influence of the Zeta Potential on the Dispersability and Purification of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 11520-11524.	1.2	210
298	Role of Surface Oxygen Groups in Incorporation of Nitrogen to Activated Carbons via Ethylmethylamine Adsorption. <i>Langmuir</i> , 2005, 21, 1282-1289.	1.6	46
299	Adsorption of Aqueous Metal Ions on Oxygen and Nitrogen Functionalized Nanoporous Activated Carbons. <i>Langmuir</i> , 2005, 21, 3892-3902.	1.6	120
300	Adsorption of Hydrogen Sulfide onto Activated Carbon Fibers: Effect of Pore Structure and Surface Chemistry. <i>Environmental Science & Technology</i> , 2005, 39, 9744-9749.	4.6	154
301	Interpretation of Transition Metal Sorption Behavior by Oxidized Active Carbons and Other Adsorbents. <i>Separation Science and Technology</i> , 2005, 39, 1885-1905.	1.3	31
302	Evidence for C-C bond cleavage by H ₂ O ₂ in a mesoporous CMK-5 type carbon at room temperature. <i>Chemical Communications</i> , 2005, , 5184.	2.2	67
303	On the Chemical Nature of Graphene Edges: Origin of Stability and Potential for Magnetism in Carbon Materials. <i>Journal of the American Chemical Society</i> , 2005, 127, 5917-5927.	6.6	500
304	Adsorption of Ethylmethylamine Vapor by Activated Carbon Filters. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 1441-1445.	1.8	18
305	Spontaneously Deposited Manganese Oxide on Acetylene Black in an Aqueous Potassium Permanganate Solution. <i>Journal of the Electrochemical Society</i> , 2006, 153, C27.	1.3	80
306	Surface Selective Polymerization of Polypyrrole on Ordered Mesoporous Carbon: Enhancing Interfacial Conductivity for Direct Methanol Fuel Cell Application. <i>Macromolecules</i> , 2006, 39, 3275-3282.	2.2	64
307	Preparation and Characterization of Aminated Carbon from a Single-Step Reaction. <i>Chemistry of Materials</i> , 2006, 18, 4130-4136.	3.2	18
308	A versatile method for the production of monodisperse spherical particles and hollow particles: Templating from binary core-shell structures. <i>Chemical Communications</i> , 2006, , 1203.	2.2	65
309	Surface Properties, Porosity, Chemical and Electrochemical Applications. , 2006, , 495-549.		14
310	HYDROGEN ISOTOPIC (D/H) COMPOSITION OF ORGANIC MATTER DURING DIAGENESIS AND THERMAL MATURATION. <i>Annual Review of Earth and Planetary Sciences</i> , 2006, 34, 501-533.	4.6	246
311	Chapter 6 Application of nanotextured carbons for supercapacitors and hydrogen storage. <i>Interface Science and Technology</i> , 2006, 7, 293-343.	1.6	9

#	ARTICLE	IF	CITATIONS
312	Different morphologies of carbon nanotubes effect on the lead removal from aqueous solution. <i>Diamond and Related Materials</i> , 2006, 15, 90-94.	1.8	138
313	A Novel Carbon Electrode Material for Highly Improved EDLC Performance. <i>Journal of Physical Chemistry B</i> , 2006, 110, 7877-7882.	1.2	137
314	Enhanced Stabilization and Deposition of Pt Nanocrystals on Carbon by Dumbbell-like Polyethyleniminated Poly(oxypropylene)diamine. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9822-9830.	1.2	17
315	Predicting Solute Adsorption on Activated Carbon: % Phenol. <i>Langmuir</i> , 2006, 22, 3614-3621.	1.6	68
316	Adsorption of Pentachlorophenol from Aqueous Solution onto Activated Carbon Fiber. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 330-336.	1.8	55
317	Platinum Nanoparticle Interaction with Chemically Modified Highly Oriented Pyrolytic Graphite Surfaces. <i>Chemistry of Materials</i> , 2006, 18, 1811-1816.	3.2	42
318	Adsorption studies of recalcitrant compounds of molasses spentwash on activated carbons. <i>Water Research</i> , 2006, 40, 3456-3466.	5.3	44
319	Oxidation of black carbon by biotic and abiotic processes. <i>Organic Geochemistry</i> , 2006, 37, 1477-1488.	0.9	942
320	Influence of porosity and surface chemistry of commercially available powdered activated carbons for the removal of dissolved organic carbon. <i>Water Science and Technology: Water Supply</i> , 2006, 6, 27-34.	1.0	2
321	Influence of surface functional groups and solution pH on removal of organic compounds and a heavy metal by activated carbon. <i>Tanso</i> , 2006, 2006, 215-219.	0.1	11
322	Removal of Phenol and 4-Chlorophenol from Aqueous Solutions by Olive Stone-Based Activated Carbon. <i>Adsorption Science and Technology</i> , 2006, 24, 375-388.	1.5	23
323	Examination of the double-layer capacitance of an high specific-area C-cloth electrode as titrated from acidic to alkaline pHs. <i>Electrochimica Acta</i> , 2006, 51, 6510-6520.	2.6	361
324	On the origin of the high performance of MWNT-supported PtPd catalysts for the hydrogenation of aromatics. <i>Carbon</i> , 2006, 44, 84-98.	5.4	90
325	Effect of ZnO loading to activated carbon on Pb(II) adsorption from aqueous solution. <i>Carbon</i> , 2006, 44, 195-202.	5.4	214
326	Adsorption and desorption kinetics for hydrophilic and hydrophobic vapors on activated carbon. <i>Carbon</i> , 2006, 44, 989-1004.	5.4	143
327	Detection of low concentration oxygen containing functional groups on activated carbon fiber surfaces through fluorescent labeling. <i>Carbon</i> , 2006, 44, 1203-1209.	5.4	43
328	Physical and chemical properties of carbons synthesized from xylan, cellulose, and Kraft lignin by H ₃ PO ₄ activation. <i>Carbon</i> , 2006, 44, 1464-1475.	5.4	206
329	A method for characterization and quantification of platelet graphite nanofiber edge crystal structure. <i>Carbon</i> , 2006, 44, 2184-2190.	5.4	9

#	ARTICLE	IF	CITATIONS
330	Lead(II) adsorption onto the graphene layer of carbonaceous materials in aqueous solution. Carbon, 2006, 44, 2681-2688.	5.4	236
331	Two distinct Langmuir isotherms describe the adsorption of certain salts onto activated carbon over a wide concentration range. Carbon, 2006, 44, 3145-3148.	5.4	8
332	Carbon nanotube supported ruthenium catalysts for the treatment of high strength wastewater with aniline using wet air oxidation. Carbon, 2006, 44, 2384-2391.	5.4	105
333	The influence of demineralisation and ammoxidation on the adsorption properties of an activated carbon prepared from a Polish lignite. Carbon, 2006, 44, 2549-2557.	5.4	18
334	Methanol electrooxidation on PtRu nanoparticles supported on functionalised carbon black. Catalysis Today, 2006, 116, 422-432.	2.2	68
335	Effect of cationic surfactant and block copolymer on carbon black particle surface charge and size. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 278, 149-159.	2.3	87
336	Removal of lead from aqueous solutions on palm shell activated carbon. Bioresource Technology, 2006, 97, 2350-2355.	4.8	185
337	Select metal adsorption by activated carbon made from peanut shells. Bioresource Technology, 2006, 97, 2266-2270.	4.8	250
338	Adsorption equilibria in the systems: Aqueous solutions of organicsâ€”oxidized activated carbon samples obtained from different parts of granules. Fuel, 2006, 85, 410-417.	3.4	19
339	Characterization and application of activated carbon produced by H3PO4 and water vapor activation. Fuel Processing Technology, 2006, 87, 899-905.	3.7	278
340	Grafting of calix[4]arene derivative on activated carbon surface. Materials Science and Engineering C, 2006, 26, 490-494.	3.8	9
341	Heterogeneity of activated carbons with different surface chemistry in adsorption of phenol from aqueous solutions. Applied Surface Science, 2006, 252, 5752-5762.	3.1	55
342	Modified carbon materials for high-rate EDLCs application. Journal of Power Sources, 2006, 155, 487-491.	4.0	68
343	Study of commercial wood charcoals for the preparation of carbon adsorbents. Journal of Analytical and Applied Pyrolysis, 2006, 76, 103-108.	2.6	79
344	IR, XRD and SEM studies on the mechanism of adsorption of dyes and phenols by coir pith carbon from aqueous phase. Microchemical Journal, 2006, 82, 43-48.	2.3	94
345	Preparation of water-soluble carbon nanotubes using a pulsed streamer discharge in water. Nanotechnology, 2006, 17, 3421-3427.	1.3	51
346	Chemical processes on active carbon surface: A new example of nitrogen fixation. Russian Journal of General Chemistry, 2006, 76, 946-954.	0.3	8
347	Surface energy of oxides and silicates. Theoretical and Experimental Chemistry, 2006, 42, 145-161.	0.2	19

#	ARTICLE	IF	CITATIONS
348	On the equilibrium and dynamic behavior of alcohol vapors in activated carbon. <i>Chemical Engineering Science</i> , 2006, 61, 6468-6477.	1.9	18
349	Examination of the oxidation behavior of biodiesel soot. <i>Combustion and Flame</i> , 2006, 146, 589-604.	2.8	399
350	Enhancement of naphthalene hydrogenation over PtPd/SiO ₂ -Al ₂ O ₃ catalyst modified by gold. <i>Journal of Molecular Catalysis A</i> , 2006, 253, 30-43.	4.8	40
351	Capacity of activated carbon in the removal of acid dyes subsequent to its thermal treatment. <i>Dyes and Pigments</i> , 2006, 69, 128-136.	2.0	140
352	Variation in the FTIR spectra of a biomass under impregnation, carbonization and oxidation conditions. <i>Journal of Analytical and Applied Pyrolysis</i> , 2006, 75, 159-166.	2.6	269
353	Adsorption of simple aromatic compounds on activated carbons. <i>Journal of Colloid and Interface Science</i> , 2006, 293, 128-136.	5.0	236
354	Nanostructured Pd/C catalysts prepared by grafting of model carboxylate complexes onto functionalized carbon. <i>Journal of Catalysis</i> , 2006, 243, 239-251.	3.1	53
355	Vanadium loaded carbon-based catalysts for the reduction of nitric oxide. <i>Applied Catalysis B: Environmental</i> , 2006, 68, 130-138.	10.8	33
356	Removal of nickel(II) from aqueous solution by carbon nanotubes. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1932-1940.	1.6	215
357	The evaluation of carbon nanotubes as a sorbent for dicamba herbicide. <i>Journal of Separation Science</i> , 2006, 29, 2241-2244.	1.3	62
358	The Effects of Surface Lactone Hydrolysis and Temperature on the Specific and Nonspecific Interactions Between Phenobarbital and Activated Carbon Surfaces. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 1540-1548.	1.6	10
359	Kinetics of adsorption of sulfur mustard vapors on carbons under static conditions. <i>AIChE Journal</i> , 2006, 52, 678-682.	1.8	19
360	Surface chemistry effects in activated carbon adsorption of industrial pollutants. <i>Interface Science and Technology</i> , 2006, , 155-177.	1.6	8
361	Fabrication Process of Carbonaceous Fiber Reinforced Al and/or Mg Alloy(s) Composites by Squeeze Casting. <i>Advanced Materials Research</i> , 2006, 15-17, 209-214.	0.3	9
362	Surface Characteristics and Modification of Different Carbon Materials. <i>Materials Science Forum</i> , 2006, 518, 217-222.	0.3	6
363	Chapter 4 Surface chemistry of activated carbons and its characterization. <i>Interface Science and Technology</i> , 2006, , 159-229.	1.6	122
364	Removal of natural organic material and algal metabolites using activated carbon. <i>Interface Science and Technology</i> , 2006, 10, 133-153.	1.6	12
365	Adsorption and microcalorimetric measurements on activated carbons prepared from Polyethylene Terephthalate. <i>Studies in Surface Science and Catalysis</i> , 2007, , 185-192.	1.5	1

#	ARTICLE	IF	CITATIONS
366	Adsorption Behavior of Anionic Reactive Dyes on H ₂ O ₂ -Type Activated Carbon: Competitive Adsorption and Desorption Studies. <i>Separation Science and Technology</i> , 2007, 42, 2195-2220.	1.3	31
367	Immobilization of Heavy Metals and Phenol on Altered Bituminous Coals. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2007, 29, 885-893.	1.2	5
368	Functionalization of Carbon and Silica Gel by Phosphoric Acid. <i>Adsorption Science and Technology</i> , 2007, 25, 531-542.	1.5	23
369	Effects of Neodymium on the Properties of Ni ₃ CNTs Amorphous Alloy Catalyst. <i>Journal of the Chinese Chemical Society</i> , 2007, 54, 559-562.	0.8	4
370	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, 209-219.	4.2	44
371	Adsorption of Fluoride from Water Solution on Bone Char. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 9205-9212.	1.8	207
372	Do All Carbonized Charcoals Have the Same Chemical Structure? 2. A Model of the Chemical Structure of Carbonized Charcoal. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 5954-5967.	1.8	232
373	Adsorption at a Carbon Black Microparticle Surface in Aqueous Colloids Probed by Optical Second-Harmonic Generation. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8708-8715.	1.5	40
374	Factors Affecting on the Sorption/Desorption of Eu (III) using Activated Carbon. <i>Separation Science and Technology</i> , 2007, 42, 3657-3680.	1.3	65
375	Modification of Single-Walled Carbon Nanotubes for Enhancing Isopropyl Alcohol Vapor Adsorption from Air Streams. <i>Separation Science and Technology</i> , 2007, 42, 2751-2766.	1.3	37
376	Exclusion of Salt Solutions from Activated Carbon Pores and the Relationship to Contact Angle on Graphite. <i>Journal of Physical Chemistry C</i> , 2007, 111, 3680-3684.	1.5	20
377	Kinetic Isotope Quantum Effects in the Adsorption of H ₂ O and D ₂ O on Porous Carbons. <i>Journal of Physical Chemistry C</i> , 2007, 111, 2107-2115.	1.5	18
378	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.	1.5	142
379	Denitrification of Stack Gases in the Presence of Low-Rank Coal-Based Carbons Activated with Steam. <i>Energy & Fuels</i> , 2007, 21, 2033-2037.	2.5	9
380	Simulation Study of Water Adsorption on Carbon Black: The Effect of Graphite Water Interaction Strength. <i>Journal of Physical Chemistry C</i> , 2007, 111, 5735-5742.	1.5	46
381	IMPACT OF ALTERNATIVE FUELS ON SOOT PROPERTIES AND DPF REGENERATION. <i>Combustion Science and Technology</i> , 2007, 179, 1991-2037.	1.2	146
382	Development of Activated Carbons from Sunflower Seed Husk for Metal Adsorption. <i>Journal of Chemical Engineering of Japan</i> , 2007, 40, 222-227.	0.3	14
383	Design of an adsorbent employing activated carbon fiber to remove lead. <i>Eletica Quimica</i> , 2007, 32, 61-71.	0.2	9

#	ARTICLE	IF	CITATIONS
384	Fluorescent Carbon Nanoparticles Derived from Candle Soot. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6473-6475.	7.2	1,509
386	Characterization of Activated Carbon and Application of Copper Removal from Drinking Water. <i>Annali Di Chimica</i> , 2007, 97, 1291-1302.	0.6	4
387	The effect of the nanocarbon structures from laser pyrolysis on microorganisms evolution. <i>Applied Surface Science</i> , 2007, 253, 7729-7732.	3.1	3
388	Influence of activated carbon surface acidity on adsorption of heavy metal ions and aromatics from aqueous solution. <i>Applied Surface Science</i> , 2007, 253, 8554-8559.	3.1	107
389	Characterization of mango pit as raw material in the preparation of activated carbon for wastewater treatment. <i>Biochemical Engineering Journal</i> , 2007, 36, 230-238.	1.8	83
390	Physicochemical properties of carbons prepared from pecan shell by phosphoric acid activation. <i>Bioresource Technology</i> , 2007, 98, 1513-1521.	4.8	201
391	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.	5.4	222
392	Catalytic ammonia decomposition over CMK-3 supported Ru catalysts: Effects of surface treatments of supports. <i>Carbon</i> , 2007, 45, 11-20.	5.4	66
393	Evaluation of the number of carboxyl groups on glassy carbon after modification by 3,4-dihydroxybenzylamine. <i>Carbon</i> , 2007, 45, 256-262.	5.4	20
394	Characterization of surface oxygen complexes on carbon nanofibers by TPD, XPS and FT-IR. <i>Carbon</i> , 2007, 45, 785-796.	5.4	935
395	The efficiency of the oxidation of carbon nanofibers with various oxidizing agents. <i>Carbon</i> , 2007, 45, 1072-1080.	5.4	126
396	Surface-modified carbons as platinum catalyst support for PEM fuel cells. <i>Carbon</i> , 2007, 45, 1506-1517.	5.4	174
397	The role of the porosity and oxygen groups on the adsorption of n-alkanes, benzene, trichloroethylene and 1,2-dichloroethane on active carbons at zero surface coverage. <i>Carbon</i> , 2007, 45, 1777-1785.	5.4	34
398	Easy preparation of nitrogen-enriched carbon materials from peptides of silk fibroins and their use to produce a high volumetric energy density in supercapacitors. <i>Carbon</i> , 2007, 45, 2116-2125.	5.4	220
399	Activated carbons for the adsorption of ibuprofen. <i>Carbon</i> , 2007, 45, 1979-1988.	5.4	325
400	Oxygen and phosphorus enriched carbons from lignocellulosic material. <i>Carbon</i> , 2007, 45, 1941-1950.	5.4	115
401	Oxidative dehydrogenation of ethylbenzene to styrene over ultra-dispersed diamond and onion-like carbon. <i>Carbon</i> , 2007, 45, 2145-2151.	5.4	168
402	Removal of Cr(III) cations and Cr(VI) anions on activated carbons oxidized by CO ₂ . <i>Desalination</i> , 2007, 206, 259-269.	4.0	21

#	ARTICLE	IF	CITATIONS
403	Preparation of carbon dioxide adsorbents from the chemical activation of urea-formaldehyde and melamine-formaldehyde resins. <i>Fuel</i> , 2007, 86, 22-31.	3.4	233
404	Microporous activated carbons from ammoxidised anthracite and their capacitance behaviours. <i>Fuel</i> , 2007, 86, 1086-1092.	3.4	52
405	Preparation of modified active carbon from brown coal by ammoxidation. <i>Fuel Processing Technology</i> , 2007, 88, 409-415.	3.7	58
406	The real role of carbon in Pt/C catalysts for oxygen reduction reaction. <i>Electrochemistry Communications</i> , 2007, 9, 1002-1006.	2.3	35
407	Capacitance response of carbons in solvent-free ionic liquid electrolytes. <i>Electrochemistry Communications</i> , 2007, 9, 1567-1572.	2.3	121
408	Activated carbons prepared from rice hull by one-step phosphoric acid activation. <i>Microporous and Mesoporous Materials</i> , 2007, 100, 12-19.	2.2	208
409	Adsorption characteristic of acidified carbon nanotubes for heavy metal Pb(II) in aqueous solution. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 466, 201-206.	2.6	165
410	Electrode materials for ionic liquid-based supercapacitors. <i>Journal of Power Sources</i> , 2007, 174, 648-652.	4.0	69
411	Influence of hydrophobisation of carbon surface on electrochemical capacitor performance. <i>Journal of Electroanalytical Chemistry</i> , 2007, 609, 99-104.	1.9	12
412	Removal of fluoride from aqueous phase by biosorption onto algal biosorbent <i>Spirogyra</i> sp.-IO2: Sorption mechanism elucidation. <i>Journal of Hazardous Materials</i> , 2007, 141, 465-474.	6.5	153
413	Removal of chromium ions from aqueous solutions by adsorption on activated carbon and char. <i>Journal of Hazardous Materials</i> , 2007, 145, 381-390.	6.5	143
414	Adsorption of benzene and toluene from aqueous solutions onto activated carbon and its acid and heat treated forms: Influence of surface chemistry on adsorption. <i>Journal of Hazardous Materials</i> , 2007, 146, 237-242.	6.5	268
415	Removal of nickel ions from water by multi-walled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2007, 146, 283-288.	6.5	302
416	Oxidized activated carbon as support for titanium dioxide in UV-assisted degradation of 3-chlorophenol. <i>Separation and Purification Technology</i> , 2007, 54, 117-123.	3.9	36
417	Study on the preparation of orange peel cellulose adsorbents and biosorption of Cd ²⁺ from aqueous solution. <i>Separation and Purification Technology</i> , 2007, 55, 69-75.	3.9	129
418	Adsorption of natural organic matter by carbon nanotubes. <i>Separation and Purification Technology</i> , 2007, 58, 113-121.	3.9	216
419	Removal of 2,4-dichlorophenol from aqueous solution by static-air-activated carbon fibers. <i>Journal of Colloid and Interface Science</i> , 2007, 313, 80-85.	5.0	32
420	Surface characterization of electrodeposited silver on activated carbon for bactericidal purposes. <i>Journal of Colloid and Interface Science</i> , 2007, 314, 562-571.	5.0	56

#	ARTICLE	IF	CITATIONS
421	Mechanism study on adsorption of acidified multiwalled carbon nanotubes to Pb(II). Journal of Colloid and Interface Science, 2007, 316, 277-283.	5.0	346
422	Catalytic Promotion of Activated carbon by Treatment with Some Transition Metal Cations. Chinese Journal of Catalysis, 2007, 28, 611-616.	6.9	21
423	Deuteration study to elucidate hydrogenolysis of benzylic alcohols over supported palladium catalysts. Journal of Catalysis, 2007, 246, 344-350.	3.1	30
424	Synthesis of structured titanium dioxide from carbonaceous templates. Materials Chemistry and Physics, 2007, 106, 102-108.	2.0	7
425	Preparation and characterization of cerium oxide templated from activated carbon. Journal of Materials Science, 2007, 42, 3454-3464.	1.7	24
426	Deep desulfurization of diesel fuels by catalytic oxidation. Frontiers of Chemical Engineering in China, 2007, 1, 162-166.	0.6	8
427	Enhanced surface hydrophobisation for improved performance of carbon aerogel electrochemical capacitor. Electrochimica Acta, 2007, 52, 6916-6921.	2.6	73
428	Changes in commercial wood charcoals by thermal treatments. Journal of Analytical and Applied Pyrolysis, 2007, 80, 507-514.	2.6	43
429	Recent advances in activity and durability enhancement of Pt/C catalytic cathode in PEMFC. Journal of Power Sources, 2007, 172, 133-144.	4.0	458
430	An electrochemical method for determining the number of carboxyl groups on carbon black. Journal of Electroanalytical Chemistry, 2008, 616, 64-70.	1.9	7
431	Water vapor adsorption onto activated carbons prepared from cattle manure compost (CMC). Applied Surface Science, 2008, 254, 4868-4874.	3.1	25
432	Surface modification of carbon nanotubes for enhancing BTEX adsorption from aqueous solutions. Applied Surface Science, 2008, 254, 7035-7041.	3.1	191
433	Removal of organic impurities with activated carbons for ultra-pure hydrogen peroxide preparation. Chemical Engineering Journal, 2008, 139, 264-271.	6.6	11
434	Activated carbon from jackfruit peel waste by H ₃ PO ₄ chemical activation: Pore structure and surface chemistry characterization. Chemical Engineering Journal, 2008, 140, 32-42.	6.6	681
435	Conversion of Lower Hydrocarbons in the Presence of Carbon Dioxide: The Theoretic Analysis and Catalytic Tests over Active Carbon Supported Vanadium Oxide. Catalysis Letters, 2008, 124, 52-58.	1.4	13
436	Energetics of the interaction of water and other liquids with the surface of hydrophilic and hydrophobic sorbents according to data on the heats of wetting. Theoretical and Experimental Chemistry, 2008, 44, 1-25.	0.2	5
437	Estimation of the energetic nonhomogeneity of the surface of oxide and carbon materials. Theoretical and Experimental Chemistry, 2008, 44, 325-330.	0.2	0
438	Pb(II) and Cr(VI) adsorption from aqueous solution on activated carbons obtained from sugar cane husk and sawdust. Journal of Analytical and Applied Pyrolysis, 2008, 81, 278-284.	2.6	61

#	ARTICLE	IF	CITATIONS
439	Surface-modified carbon black for As(V) removal. <i>Journal of Colloid and Interface Science</i> , 2008, 319, 53-62.	5.0	89
440	Thermodynamics and kinetics of adsorption of Cu(II) from aqueous solutions onto a new cation exchanger derived from tamarind fruit shell. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 702-709.	1.0	274
441	Mesoporous carbons with self-assembled surfaces of defined crystal orientation. <i>Microporous and Mesoporous Materials</i> , 2008, 108, 143-151.	2.2	20
442	High voltage, asymmetric EDLCs based on xerogel carbon and hydrophobic IL electrolytes. <i>Journal of Power Sources</i> , 2008, 178, 490-496.	4.0	106
443	Electrochemical oxidation of highly oriented pyrolytic graphite during potential cycling in sulfuric acid solution. <i>Journal of Power Sources</i> , 2008, 185, 740-746.	4.0	73
444	Preparation and characterization of an ion exchanger based on semi-carbonized polyacrylonitrile fiber. <i>Reactive and Functional Polymers</i> , 2008, 68, 891-898.	2.0	24
445	Methylene blue biosorption from aqueous solutions by yellow passion fruit waste. <i>Journal of Hazardous Materials</i> , 2008, 150, 703-712.	6.5	313
446	Comparisons of sorbent cost for the removal of Ni ²⁺ from aqueous solution by carbon nanotubes and granular activated carbon. <i>Journal of Hazardous Materials</i> , 2008, 151, 239-246.	6.5	128
447	Kinetic and equilibrium study for the sorption of cadmium(II) ions from aqueous phase by eucalyptus bark. <i>Journal of Hazardous Materials</i> , 2008, 152, 148-158.	6.5	172
448	Sorption and desorption studies of chromium(VI) from nonviable cyanobacterium <i>Nostoc muscorum</i> biomass. <i>Journal of Hazardous Materials</i> , 2008, 154, 347-354.	6.5	287
449	Mercury(II) removal from aqueous solutions and wastewaters using a novel cation exchanger derived from coconut coir pith and its recovery. <i>Journal of Hazardous Materials</i> , 2008, 157, 620-627.	6.5	125
450	Effect of surface acidic oxides of activated carbon on adsorption of ammonia. <i>Journal of Hazardous Materials</i> , 2008, 159, 523-527.	6.5	193
451	Study of NO adsorption on activated carbons. <i>Applied Catalysis B: Environmental</i> , 2008, 83, 63-71.	10.8	109
452	Adsorption of ²⁴¹ Am and ²²⁶ Ra from natural water by wood charcoal. <i>Applied Radiation and Isotopes</i> , 2008, 66, 95-102.	0.7	7
453	Effect of oxidant treatment of date pit activated carbons application to the treatment of waters. <i>Desalination</i> , 2008, 222, 394-403.	4.0	35
454	Study of the adsorption properties of lignocellulosic material activated chemically by gas adsorption and immersion calorimetry. <i>Desalination</i> , 2008, 223, 274-282.	4.0	18
455	Effect of solution pH, ionic strength, and temperature on adsorption behavior of reactive dyes on activated carbon. <i>Dyes and Pigments</i> , 2008, 77, 16-23.	2.0	1,006
456	Comparison of different types of biomasses for copper biosorption. <i>Bioresource Technology</i> , 2008, 99, 2559-2565.	4.8	99

#	ARTICLE	IF	CITATIONS
457	Enhanced adsorption of phenolic compounds, commonly encountered in olive mill wastewaters, on olive husk derived activated carbons. <i>Bioresource Technology</i> , 2008, 99, 6400-6408.	4.8	85
458	Geometric control and tuneable pore size distribution of buckypaper and buckydiscs. <i>Carbon</i> , 2008, 46, 949-956.	5.4	151
459	Characterization of the surface chemistry of carbon materials by potentiometric titrations and temperature-programmed desorption. <i>Carbon</i> , 2008, 46, 1544-1555.	5.4	162
460	XPS and NMR studies of phosphoric acid activated carbons. <i>Carbon</i> , 2008, 46, 2113-2123.	5.4	743
461	Vanadium-loaded carbon-based monoliths for on-board NO reduction: Influence of nature and concentration of the oxidation agent on activity. <i>Catalysis Today</i> , 2008, 137, 222-227.	2.2	16
462	Vanadium-loaded carbon-based monoliths for the on-board NO reduction: Experimental study of operating conditions. <i>Chemical Engineering Journal</i> , 2008, 144, 343-351.	6.6	26
463	Kinetics and equilibrium of dissolved oxygen adsorption on activated carbon. <i>Chemical Engineering Science</i> , 2008, 63, 609-621.	1.9	22
464	Ultrasound-assisted removal of malachite green from aqueous solution by dead pine needles. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 799-807.	3.8	80
465	Synthesis and characterization of polymeric activated carbon-supported vanadium and magnesium catalysts for ethylbenzene dehydrogenation. <i>Applied Catalysis A: General</i> , 2008, 350, 79-85.	2.2	34
466	Particle size effects for carbon nanofiber supported platinum and ruthenium catalysts for the selective hydrogenation of cinnamaldehyde. <i>Applied Catalysis A: General</i> , 2008, 351, 9-15.	2.2	159
467	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.	5.4	774
468	Preparation and evaluation of orange peel cellulose adsorbents for effective removal of cadmium, zinc, cobalt and nickel. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 317, 512-521.	2.3	174
469	Effect of potential cycling on structure and activity of Pt nanoparticles dispersed on different carbon supports. <i>Electrochimica Acta</i> , 2008, 53, 7157-7165.	2.6	66
470	Carbon-based catalytic briquettes for the reduction of NO: Effect of H ₂ SO ₄ and HNO ₃ carbon support treatment. <i>Fuel</i> , 2008, 87, 2058-2068.	3.4	51
471	H ₂ O ₂ treated carbon black as electrocatalyst support for polymer electrolyte membrane fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 6289-6297.	3.8	48
472	The modification of activated carbons and the pore structure effect on enrichment of coal-bed methane. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2008, 3, 284-291.	0.8	22
473	On the mechanism of air nitrogen fixation on activated carbon surface in water. <i>Russian Journal of General Chemistry</i> , 2008, 78, 557-566.	0.3	5
474	Use of activated carbon materials for wastewater treatment to remove Ni(II), Co(II), and Cu(II) ions. <i>Russian Journal of Applied Chemistry</i> , 2008, 81, 1939-1941.	0.1	4

#	ARTICLE	IF	CITATIONS
475	Textural and surface chemical characteristics of activated carbons prepared from cattle manure compost. <i>Waste Management</i> , 2008, 28, 1064-1071.	3.7	35
476	Interactions of ferricyanide with humic soils and charred straw. <i>European Journal of Soil Science</i> , 2008, 59, 348-358.	1.8	11
482	Surface Chemical Characterization of Carbons from Adsorption Studies. , 2008, , 301-327.		27
483	Desulfurization of Digester Gas on Wood-Based Activated Carbons Modified with Nitrogen: Importance of Surface Chemistry. <i>Energy & Fuels</i> , 2008, 22, 850-859.	2.5	36
484	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.	1.5	48
485	Effects of Copper, Lead, and Cadmium on the Sorption and Desorption of Atrazine onto and from Carbon Nanotubes. <i>Environmental Science & Technology</i> , 2008, 42, 8297-8302.	4.6	106
486	Surface characteristics of crop-residue-derived black carbon and lead(II) adsorption. <i>Water Research</i> , 2008, 42, 567-574.	5.3	238
487	New biosorbent materials for heavy metal removal: Product development guided by active site characterization. <i>Water Research</i> , 2008, 42, 2953-2962.	5.3	64
488	Production and detailed characterization of bean husk-based carbon: Efficient cadmium (II) removal from aqueous solutions. <i>Water Research</i> , 2008, 42, 3473-3479.	5.3	18
489	Comparative Study of CO ₂ Capture by Carbon Nanotubes, Activated Carbons, and Zeolites. <i>Energy & Fuels</i> , 2008, 22, 3050-3056.	2.5	366
490	Natural oxidation of black carbon in soils: Changes in molecular form and surface charge along a climosequence. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 1598-1610.	1.6	733
491	Thermal Stability and Reducibility of Oxygen-Containing Functional Groups on Multiwalled Carbon Nanotube Surfaces: A Quantitative High-Resolution XPS and TPD/TPR Study. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16869-16878.	1.5	799
492	Chemical Functionalization of Graphene with Defects. <i>Nano Letters</i> , 2008, 8, 4373-4379.	4.5	607
494	Comparison of Physicochemical Properties of Nitrogen-enriched Activated Carbons Prepared by Physical and Chemical Activation of Brown Coal. <i>Energy & Fuels</i> , 2008, 22, 4133-4138.	2.5	41
495	Active Carbon Functionalized with Chelating Phosphine Groups for the Grafting of Model Ru and Pd Coordination Compounds. <i>Journal of Physical Chemistry C</i> , 2008, 112, 5533-5541.	1.5	19
496	Natural Organic Matter Adsorption onto Granular Activated Carbons: Implications in the Molecular Weight and Disinfection Byproducts Formation. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 7868-7876.	1.8	35
497	Characterisation and Modeling of Conducting Composite Electrodes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 9351-9357.	1.5	11
498	Novel Synthesis Method of CO-Tolerant PtRu~MoO _x Nanoparticles: Structural Characteristics and Performance for Methanol Electrooxidation. <i>Chemistry of Materials</i> , 2008, 20, 4249-4259.	3.2	99

#	ARTICLE	IF	CITATIONS
499	Ultrafiltration of Humic Acid Solution: Effects of Self-dispersible Carbon Black and Cations. Separation Science and Technology, 2008, 43, 1852-1870.	1.3	5
500	Reaction of NO ₂ with Activated Carbon at Ambient Temperature. Industrial & Engineering Chemistry Research, 2008, 47, 4358-4362.	1.8	58
501	ELABORATION OF CHITOSAN/ACTIVATED CARBON COMPOSITES FOR THE REMOVAL OF ORGANIC MICROPOLLUTANTS FROM WATERS. Environmental Technology (United Kingdom), 2008, 29, 1285-1296.	1.2	26
502	Adsorption of Paracetamol and Acetylsalicylic Acid onto Commercial Activated Carbons. Adsorption Science and Technology, 2008, 26, 721-734.	1.5	20
503	Adsorption of the SDS on Coal. , 2008, , 163-168.		1
504	Factors affecting activated carbon-based catalysts for selective hydrogen sulfide oxidation. Main Group Chemistry, 2008, 7, 239-250.	0.4	6
505	Adsorption of Methylene Blue and Phenol by Wood Waste Derived Activated Carbon. Journal of Environmental Engineering, ASCE, 2008, 134, 338-345.	0.7	28
506	Characteristics of Ground Granular Activated Carbon for Rapid Small-Scale Column Tests. Journal of Environmental Engineering, ASCE, 2008, 134, 216-221.	0.7	16
507	The Influence of Surfactants on the Zeta Potential of Coals. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2008, 31, 66-75.	1.2	26
508	Impact of the Carbonization Atmosphere on the Properties of Phosphoric Acid-Activated Carbons from Fruit Stones. Adsorption Science and Technology, 2008, 26, 843-851.	1.5	4
509	Adsorption Properties of the Natural Carbon "Mineral Sorbent Shungite. Adsorption Science and Technology, 2008, 26, 3-13.	1.5	8
510	Effect of Low-Temperature Pyrolysis Conditions on Biochar for Agricultural Use. Transactions of the ASABE, 2008, 51, 2061-2069.	1.1	668
511	Propiedades Termodinámicas del Proceso de Adsorción de Pb ²⁺ sobre Carbón Activado a Diferentes pH. Informacion Tecnologica (discontinued), 2008, 19, .	0.1	1
512	Adsorción de Cromo (VI) en Solución Acuosa sobre Fibra de Carbón Activado. Informacion Tecnologica (discontinued), 2008, 19, .	0.1	4
513	Pb ²⁺ adsorption from aqueous solutions on activated carbons obtained from lignocellulosic residues. Brazilian Journal of Chemical Engineering, 2008, 25, 143-151.	0.7	66
514	Removal of Orange II, Methylene Blue and Humic Acid by Ozone-Activated Carbon Combination (OZAC) Treatment. Journal of Oleo Science, 2008, 57, 391-396.	0.6	8
515	Surface Chemical Functional Groups Modification of Porous Carbon. Recent Patents on Chemical Engineering, 2008, 1, 27-40.	0.5	390
516	Influence of surface acidic functional groups on activated carbons for adsorption and desorption kinetics of phenol from aqueous solutions. Tanso, 2008, 2008, 67-71.	0.1	3

#	ARTICLE	IF	CITATIONS
517	Development of Techniques for the Determination of Carbon Surface Functionalities on Carbon Electrodes for Supercapacitors. ECS Meeting Abstracts, 2009, , .	0.0	0
519	The Adsorption of Nonionic Surfactants onto Stainless Steel Surfaces from Iso-Octane. Journal of Dispersion Science and Technology, 2009, 30, 782-788.	1.3	2
520	An extracellular biopolymer produced by pseudomonas fluorescence C-2 as biosorbent to remove Ni (II) from aqueous solutions. , 2009, , .		0
521	Activated Carbons from lignocellulosic waste materials for water treatment: a review. International Journal of Environmental Technology and Management, 2009, 10, 308.	0.1	18
522	Effects of surface functional groups of activated carbon on adsorption of triclosan from aqueous solution. International Journal of Environmental Technology and Management, 2009, 10, 36.	0.1	16
523	Characterization of Activated Carbon and Application of Copper Removal from Drinking Water. Reviews in Analytical Chemistry, 2009, 28, .	1.5	1
524	Generation and Capture of CO ₂ and CO in Graphite Oxide Stacks during Thermal Reduction. Materials Research Society Symposia Proceedings, 2009, 1205, 10501.	0.1	4
525	Adsorption of hydrogen sulfide on graphite derived materials modified by incorporation of nitrogen. Materials Chemistry and Physics, 2009, 113, 946-952.	2.0	36
526	Sorption of Yellow 59 on Posidonia oceanica, a non-conventional biosorbent: Comparison with activated carbons. Industrial Crops and Products, 2009, 29, 197-204.	2.5	39
527	Nitrogen-Enriched Nonporous Carbon Electrodes with Extraordinary Supercapacitance. Advanced Functional Materials, 2009, 19, 1800-1809.	7.8	720
528	Combined Effect of Nitrogen- and Oxygen-Containing Functional Groups of Microporous Activated Carbon on its Electrochemical Performance in Supercapacitors. Advanced Functional Materials, 2009, 19, 438-447.	7.8	1,475
529	Functionalization of Porous Carbon Materials with Designed Pore Architecture. Advanced Materials, 2009, 21, 265-293.	11.1	807
530	Immobilization of Porphyrin-copper Nanoparticles onto Activated Multi-Walled Carbon Nanotubes and a Study of its Catalytic Activity as an Efficient Heterogeneous Catalyst for a Click Approach to the Three-Component Synthesis of 1,2,3-Triazoles in Water. Advanced Synthesis and Catalysis, 2009, 351, 2391-2410.	2.1	128
531	Electrochemical Oxidation of Highly Oriented Pyrolytic Graphite in Sulphuric Acid Solution under Potential Pulse Condition. Fuel Cells, 2009, 9, 284-290.	1.5	28
532	Acid modified bamboo-type carbon nanotubes and cup-stacked-type carbon nanofibres as adsorbent materials: cadmium removal from aqueous solution. Journal of Chemical Technology and Biotechnology, 2009, 84, 519-524.	1.6	37
533	The effect of mechanical grinding on the mesoporosity of steam-activated palm kernel shell activated carbons. Journal of Chemical Technology and Biotechnology, 2009, 84, 1405-1411.	1.6	17
534	On the methane adsorption capacity of activated carbons: in search of a correlation with adsorbent properties. Journal of Chemical Technology and Biotechnology, 2009, 84, 1736-1741.	1.6	10
536	Heteroatoms Increase the Selectivity in Oxidative Dehydrogenation Reactions on Nanocarbons. Angewandte Chemie - International Edition, 2009, 48, 6913-6917.	7.2	299

#	ARTICLE	IF	CITATIONS
537	Comparative adsorption of levodopa from aqueous solution on different activated carbons. <i>Chemical Engineering Journal</i> , 2009, 152, 183-188.	6.6	32
538	Batch sorption dynamics and equilibrium for the removal of lead ions from aqueous phase using activated carbon developed from coffee residue activated with zinc chloride. <i>Journal of Environmental Management</i> , 2009, 90, 3031-3039.	3.8	187
539	Chemically modified activated carbon with 1-acylthiosemicarbazide for selective solid-phase extraction and preconcentration of trace Cu(II), Hg(II) and Pb(II) from water samples. <i>Journal of Hazardous Materials</i> , 2009, 172, 324-329.	6.5	94
540	Immersion enthalpy of carbonaceous samples in aqueous solutions of monohydroxylated phenols. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 96, 853-857.	2.0	12
541	Catalytic activity of Fe/AC, obtained by impregnation of activated carbon in aqueous and non-aqueous media, to neutralize NO. <i>Journal of Porous Materials</i> , 2009, 16, 1-7.	1.3	9
542	Surface modification and adsorption of eucalyptus wood-based activated carbons: Effects of oxidation treatment, carbon porous structure and activation method. <i>Korean Journal of Chemical Engineering</i> , 2009, 26, 1341-1352.	1.2	40
543	Reduction of nitrogen loss and Cu and Zn mobility during sludge composting with bamboo charcoal amendment. <i>Environmental Science and Pollution Research</i> , 2009, 16, 1-9.	2.7	191
544	Effect of the surface properties of an activated coke on its desulphurization performance. <i>Mining Science and Technology</i> , 2009, 19, 769-774.	0.3	5
545	New insights into the structure and reduction of graphite oxide. <i>Nature Chemistry</i> , 2009, 1, 403-408.	6.6	2,355
546	Removal of dibenzothiophene in diesel oil by oxidation over a promoted activated carbon catalyst. <i>Kinetics and Catalysis</i> , 2009, 50, 543-549.	0.3	20
547	XPS study and physico-chemical properties of nitrogen-enriched microporous activated carbon from high volatile bituminous coal. <i>Fuel</i> , 2009, 88, 1871-1877.	3.4	245
548	Significance of the carbonization of volatile pyrolytic products on the properties of activated carbons from phosphoric acid activation of lignocellulosic material. <i>Fuel Processing Technology</i> , 2009, 90, 994-1001.	3.7	82
549	Hydroformylation of mixed octenes catalyzed by supported rhodium-based catalyst. <i>Fuel Processing Technology</i> , 2009, 90, 1241-1246.	3.7	7
550	Kinetics and equilibrium of Cu(II) adsorption onto chemically modified orange peel cellulose biosorbents. <i>Hydrometallurgy</i> , 2009, 95, 145-152.	1.8	95
551	Activated carbon catalysts for the production of hydrogen via the sulfur-iodine thermochemical water splitting cycle. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 4057-4064.	3.8	57
552	Production of hydrogen from methane decomposition using nanosized carbon black as catalyst in a fluidized-bed reactor. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 9730-9736.	3.8	31
553	Application of "waste" wood-shaving bottom ash for adsorption of azo reactive dye. <i>Journal of Environmental Management</i> , 2009, 90, 912-920.	3.8	97
554	Vat dye sorption onto crude dehydrated sewage sludge. <i>Journal of Hazardous Materials</i> , 2009, 164, 448-458.	6.5	32

#	ARTICLE	IF	CITATIONS
555	Sorptive removal of endocrine-disruptive compound (estriol, E3) from aqueous phase by batch and column studies: Kinetic and mechanistic evaluation. <i>Journal of Hazardous Materials</i> , 2009, 164, 820-828.	6.5	66
556	Removal of Pb(II) using the modified lawn grass: Mechanism, kinetics, equilibrium and thermodynamic studies. <i>Journal of Hazardous Materials</i> , 2009, 166, 239-247.	6.5	71
557	Chemical modification of carbonized wheat and barley straw using HNO ₃ and the adsorption of Cr(III). <i>Journal of Hazardous Materials</i> , 2009, 167, 319-324.	6.5	25
558	Removal of copper(II) from aqueous solution by pine and base modified pine cone powder as biosorbent. <i>Journal of Hazardous Materials</i> , 2009, 168, 909-917.	6.5	134
559	Effect of the pH in the adsorption and in the immersion enthalpy of monohydroxylated phenols from aqueous solutions on activated carbons. <i>Journal of Hazardous Materials</i> , 2009, 169, 291-296.	6.5	49
560	Adsorption of aqueous metal ions on cattle-manure-compost based activated carbons. <i>Journal of Hazardous Materials</i> , 2009, 170, 1119-1124.	6.5	107
561	Nitrogen modified carbide-derived carbons as adsorbents of hydrogen sulfide. <i>Journal of Colloid and Interface Science</i> , 2009, 330, 60-66.	5.0	27
562	Reactive Black dye adsorption/desorption onto different adsorbents: Effect of salt, surface chemistry, pore size and surface area. <i>Journal of Colloid and Interface Science</i> , 2009, 337, 32-38.	5.0	189
563	Nitrogen-modified carbon-based catalysts for oxygen reduction reaction in polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2009, 188, 38-44.	4.0	417
564	Highly active catalyst for vinyl acetate synthesis by modified activated carbon. <i>Chinese Chemical Letters</i> , 2009, 20, 865-868.	4.8	11
565	Adsorption of complex phenolic compounds on active charcoal: Adsorption capacity and isotherms. <i>Chemical Engineering Journal</i> , 2009, 148, 1-7.	6.6	57
566	Vanadium loaded carbon-based monoliths for the on-board NO reduction: Influence of vanadia and tungsten loadings. <i>Chemical Engineering Journal</i> , 2009, 155, 68-75.	6.6	14
567	Desulfurization of air at high and low H ₂ S concentrations. <i>Chemical Engineering Journal</i> , 2009, 155, 594-602.	6.6	68
568	The adsorption of non-ionic surfactants on carbon black particles in hydrocarbon media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 347, 245-250.	2.3	16
569	Properties of Pt/C catalysts prepared by adsorption of anionic precursor and reduction with hydrogen. Influence of acidity of solution. <i>Applied Catalysis A: General</i> , 2009, 355, 115-122.	2.2	7
570	Characterization of nitric acid functionalized carbon black and its evaluation as electrocatalyst support for direct methanol fuel cell applications. <i>Applied Catalysis A: General</i> , 2009, 355, 132-138.	2.2	78
571	Effect of ozonation pretreatment on the surface properties and catalytic activity of multi-walled carbon nanotube. <i>Applied Catalysis B: Environmental</i> , 2009, 92, 301-306.	10.8	125
572	A comparison between catalytic ozonation and activated carbon adsorption/ozone-regeneration processes for wastewater treatment. <i>Applied Catalysis B: Environmental</i> , 2009, 92, 393-400.	10.8	84

#	ARTICLE	IF	CITATIONS
573	Kinetics, thermodynamics and surface heterogeneity assessment of uranium(VI) adsorption onto cation exchange resin derived from a lignocellulosic residue. <i>Applied Surface Science</i> , 2009, 255, 4983-4991.	3.1	57
574	Kinetics and equilibrium studies of methylene blue adsorption by spent coffee grounds. <i>Desalination</i> , 2009, 249, 267-272.	4.0	280
575	Sorption kinetics, thermodynamics and competition of Ni ²⁺ from aqueous solutions onto surface oxidized carbon nanotubes. <i>Desalination</i> , 2009, 249, 18-23.	4.0	60
576	Activated carbons from waste biomass: An alternative use for biodiesel production solid residues. <i>Bioresource Technology</i> , 2009, 100, 1786-1792.	4.8	122
577	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.	5.4	198
578	Effect of electrochemical treatments on the surface chemistry of activated carbon. <i>Carbon</i> , 2009, 47, 1018-1027.	5.4	105
579	A highly efficient gas-phase route for the oxygen functionalization of carbon nanotubes based on nitric acid vapor. <i>Carbon</i> , 2009, 47, 919-922.	5.4	160
580	Influence of multi-walled carbon nanotubes on the cure behavior of epoxy-imidazole system. <i>Carbon</i> , 2009, 47, 1112-1118.	5.4	69
581	Analysis of the structure and chemical properties of some commercial carbon nanostructures. <i>Carbon</i> , 2009, 47, 1779-1798.	5.4	311
583	The influence of oxidation with nitric acid on the preparation and properties of active carbon enriched in nitrogen. <i>Applied Surface Science</i> , 2009, 255, 3586-3593.	3.1	17
584	Removal of organic contaminants from aqueous solution by cattle manure compost (CMC) derived activated carbons. <i>Applied Surface Science</i> , 2009, 255, 6107-6114.	3.1	24
585	Fluorescent Carbon Nanoparticles: Synthesis, Characterization, and Bioimaging Application. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18546-18551.	1.5	1,036
586	Carbon-Conductive Additives for Lithium-Ion Batteries. , 2009, , 1-38.		7
587	Investigation of deceleration causes in gold electrowinning from aqueous cyanide solutions on porous carbon electrodes. <i>Russian Journal of General Chemistry</i> , 2009, 79, 1811-1820.	0.3	2
588	The adsorption of biogenic amines on carbon nanotubes. <i>Russian Journal of Physical Chemistry A</i> , 2009, 83, 1002-1005.	0.1	10
589	Treatment of Trichloroethylene by Adsorption and Persulfate Oxidation in Batch Studies. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 8373-8380.	1.8	103
590	Evaluation of the Adsorption of Aquatic Humic Substances in Batch and Column Experiments by Thermally Modified Activated Carbons. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 5445-5453.	1.8	8
591	Ageing of black carbon along a temperature gradient. <i>Chemosphere</i> , 2009, 75, 1021-1027.	4.2	245

#	ARTICLE	IF	CITATIONS
592	The development of an activated carbon from cherry stones and its use in the removal of ochratoxin A from red wine. <i>Food Control</i> , 2009, 20, 298-303.	2.8	42
593	Performance of activated carbon and bentonite for adsorption of amoxicillin from wastewater: Mechanisms, isotherms and kinetics. <i>Water Research</i> , 2009, 43, 2419-2430.	5.3	592
595	Amazonian Dark Earths: Wim Sombroek's Vision. , 2009, , .		108
596	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.	1.5	104
597	Functionalization and Dissolution of Nitric Acid Treated Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2009, 131, 18153-18158.	6.6	146
598	Adsorption of heavy metals on to sugar cane bagasse: Improvement of adsorption capacities due to anaerobic degradation of the biosorbent. <i>Environmental Technology (United Kingdom)</i> , 2009, 30, 1371-1379.	1.2	17
599	Influence of Environmental Factors on Pesticide Adsorption by Black Carbon: pH and Model Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 2009, 43, 4973-4978.	4.6	112
600	Study of the Silanization Process in CNFs: Time, Temperature, Silane Type and Concentration Influence. <i>Journal of Nano Research</i> , 2009, 4, 33-43.	0.8	9
601	The use of heterogeneous chemistry for the characterization of functional groups at the gas/particle interface of soot and TiO ₂ nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6205.	1.3	31
602	Highly Hydrophobic Carbon Black Obtained by Covalent Linkage of Perfluorocarbon and Perfluoropolyether Chains on the Carbon Surface. <i>Chemistry of Materials</i> , 2009, 21, 4498-4504.	3.2	33
603	Active Sites in Graphene and the Mechanism of CO ₂ Formation in Carbon Oxidation. <i>Journal of the American Chemical Society</i> , 2009, 131, 17166-17175.	6.6	187
604	Influence of the Precursor Metamorphism Degree on Preparation of Nitrogen-enriched Activated Carbons by Ammoxidation and Chemical Activation of Coals. <i>Energy & Fuels</i> , 2009, 23, 2205-2212.	2.5	42
605	Fabrication and Evaluation of Mesoporous Poly(vinyl alcohol)-Based Activated Carbon Fibers. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 3398-3402.	1.8	9
606	Endowing Carbon Black Pigment Particles with Primary Amino Groups. <i>Langmuir</i> , 2009, 25, 9071-9077.	1.6	24
607	Removal of Fluoride Ion by Bone Char Produced from Animal Biomass. <i>Journal of Oleo Science</i> , 2009, 58, 529-535.	0.6	42
608	Lactone Formation on Carbonaceous Materials during Electrochemical Oxidation. <i>Chemistry Letters</i> , 2009, 38, 788-789.	0.7	10
609	Structure of Adsorbents, Ion Exchangers, Ion Conductors, Catalysts, and Permeable Materials. , 2009, , 63-102.		0
610	Characterization of an novel extracellular biopolymer BC11 by scanning electron microscopy and FT-IR spectroscopy and its use for lead removal. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
611	Synthesis and Characterization of a ZrO ₂ /AC Composite as a Novel Adsorbent for Dibenzothiophene. <i>Adsorption Science and Technology</i> , 2010, 28, 341-350.	1.5	17
613	Cadmium(II) adsorption by activated carbon: batch studies and reversibility. <i>International Journal of Environmental Technology and Management</i> , 2010, 12, 257.	0.1	1
614	Coupled process of plastics pyrolysis and chemical vapor deposition for controllable synthesis of vertically aligned carbon nanotube arrays. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 533-540.	1.1	45
615	A review on surface modification of activated carbon for carbon dioxide adsorption. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010, 89, 143-151.	2.6	856
616	Biosorption of lead(II) onto pine cone powder: Studies on biosorption performance and process design to minimize biosorbent mass. <i>Carbohydrate Polymers</i> , 2010, 82, 1031-1042.	5.1	63
617	Adsorption isotherm, kinetic and mechanism studies of some substituted phenols on activated carbon fibers. <i>Chemical Engineering Journal</i> , 2010, 157, 348-356.	6.6	727
618	Removal of phenol from petroleum refinery wastewater through adsorption on date-pit activated carbon. <i>Chemical Engineering Journal</i> , 2010, 162, 997-1005.	6.6	232
619	Perchlorate removal by activated carbon adsorption. <i>Separation and Purification Technology</i> , 2010, 70, 329-337.	3.9	81
620	Removal of copper from aqueous solution by carbon nanotube/calcium alginate composites. <i>Journal of Hazardous Materials</i> , 2010, 177, 876-880.	6.5	287
621	Kinetics and thermodynamics of adsorption of ionizable aromatic compounds from aqueous solutions by as-prepared and oxidized multiwalled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2010, 178, 505-516.	6.5	247
622	Removal of rotenone insecticide by adsorption onto chemically modified activated carbons. <i>Journal of Hazardous Materials</i> , 2010, 181, 692-699.	6.5	31
623	Removal of lead from aqueous solution by activated carbon prepared from <i>Enteromorpha prolifera</i> by zinc chloride activation. <i>Journal of Hazardous Materials</i> , 2010, 183, 583-589.	6.5	185
624	Grafting effect on the wetting and electrochemical performance of carbon cloth electrode and polypropylene separator in electric double layer capacitor. <i>Journal of Power Sources</i> , 2010, 195, 5130-5137.	4.0	45
625	Activated carbon modified with 4-(8-hydroxyquinoline-azo)benzamidine for selective solid-phase extraction and preconcentration of trace lead from environmental samples. <i>Mikrochimica Acta</i> , 2010, 171, 225-232.	2.5	23
626	Effect of activation agents on the surface chemical properties and desulphurization performance of activated carbon. <i>Science China Technological Sciences</i> , 2010, 53, 2515-2520.	2.0	7
627	Investigation of texture characteristics of the technosorb carbon material in the oxidation process. <i>Journal of Structural Chemistry</i> , 2010, 51, 87-90.	0.3	2
628	Correlation Between Oxygen Reduction Reaction and Oxidative Dehydrogenation Activities Over Nanostructured Carbon Catalysts. <i>Catalysis Letters</i> , 2010, 136, 1-8.	1.4	33
629	Selective Liquid-phase Hydrodechlorination of Chlorotrifluoroethylene over Palladium-Supported Catalysts: Activity and Deactivation. <i>Catalysis Letters</i> , 2010, 138, 68-75.	1.4	13

#	ARTICLE	IF	CITATIONS
630	Effect of surface modifications of carbon black (CB) on the properties of CB/polyurethane foams. <i>Journal of Materials Science</i> , 2010, 45, 1065-1073.	1.7	18
631	Sorption of strontium ions from aqueous solutions by oxidized multiwall carbon nanotubes. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010, 285, 703-710.	0.7	50
632	Adsorption of cadmium and lead onto oxidized nitrogen-doped multiwall carbon nanotubes in aqueous solution: equilibrium and kinetics. <i>Journal of Nanoparticle Research</i> , 2010, 12, 467-480.	0.8	55
633	Textural characteristics, surface chemistry and oxidation of activated carbon. <i>Journal of Natural Gas Chemistry</i> , 2010, 19, 267-279.	1.8	135
634	Effect of chemical treatments on hydrogen storage behaviors of multi-walled carbon nanotubes. <i>Materials Chemistry and Physics</i> , 2010, 124, 1011-1014.	2.0	21
635	Preparation and characterization of activated carbon from bamboo by microwave-induced phosphoric acid activation. <i>Industrial Crops and Products</i> , 2010, 31, 233-238.	2.5	387
636	The Route to Functional Graphene Oxide. <i>ChemPhysChem</i> , 2010, 11, 2131-2139.	1.0	297
637	Probing Functional Groups at the Gas-Aerosol Interface Using Heterogeneous Titration Reactions: A Tool for Predicting Aerosol Health Effects?. <i>ChemPhysChem</i> , 2010, 11, 3823-3835.	1.0	23
638	Covalent Bonds on Activated Carbon. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5147-5154.	1.2	13
639	Nitrogen-Doped Carbon Materials Prepared by Ammoxidation as Solid Base Catalysts for Knoevenagel Condensation and Transesterification Reactions. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1476-1484.	2.1	92
640	Modeling the mass transfers during the elaboration of chitosan-activated carbon composites for medical applications. <i>AIChE Journal</i> , 2010, 56, 1593-1609.	1.8	13
641	Activated Carbon as a Mass Transfer Additive in Aqueous Organometallic Catalysis. <i>Chemistry - A European Journal</i> , 2010, 16, 6138-6141.	1.7	18
642	Assessment of adequate sodium hypochlorite concentration for pre-oxidation of multi-walled carbon nanotubes. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 699-707.	1.6	46
643	Heterogeneous catalytic wet peroxide oxidation of paraquat in the presence of modified activated carbon. <i>Applied Catalysis B: Environmental</i> , 2010, 97, 227-235.	10.8	66
644	Modification of bamboo-based activated carbon using microwave radiation and its effects on the adsorption of methylene blue. <i>Applied Surface Science</i> , 2010, 256, 3309-3315.	3.1	246
645	Adsorptive removal of congo red dye from aqueous solution using bael shell carbon. <i>Applied Surface Science</i> , 2010, 257, 1628-1633.	3.1	262
646	Effect of surface oxides on hydrogen storage of activated carbon. <i>Separation and Purification Technology</i> , 2010, 70, 291-295.	3.9	59
647	Adsorption-desorption of water vapour on chars prepared from commercial wood charcoals, in relation to their chemical composition, surface chemistry and pore structure. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010, 88, 124-133.	2.6	23

#	ARTICLE	IF	CITATIONS
648	Biosorption of copper(II) and lead(II) onto potassium hydroxide treated pine cone powder. <i>Journal of Environmental Management</i> , 2010, 91, 1674-1685.	3.8	91
649	Adsorption of heavy metals onto activated carbons derived from polyacrylonitrile fiber. <i>Journal of Hazardous Materials</i> , 2010, 180, 552-560.	6.5	163
650	The effect of mixed oxidants and powdered activated carbon on the removal of natural organic matter. <i>Journal of Hazardous Materials</i> , 2010, 181, 426-431.	6.5	31
651	The adsorption properties of Pb(II) and Cd(II) on functionalized graphene prepared by electrolysis method. <i>Journal of Hazardous Materials</i> , 2010, 183, 923-930.	6.5	362
652	Oxidative desulfurization of tire pyrolysis naphtha in formic acid/H ₂ O ₂ /pyrolysis char system. <i>Fuel</i> , 2010, 89, 2617-2622.	3.4	39
653	Influence of nitric acid concentration on the characteristics of active carbons obtained from a mineral coal. <i>Fuel Processing Technology</i> , 2010, 91, 1338-1344.	3.7	28
654	Oxidation of activated carbon by dry and wet methods. <i>Fuel Processing Technology</i> , 2010, 91, 1768-1775.	3.7	180
655	Hydrogen adsorption on modified activated carbon. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 2777-2780.	3.8	84
656	Effect of chemical oxidation of CNFs on the electrochemical carbon corrosion in polymer electrolyte membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 701-708.	3.8	79
657	Electro-oxidation of methanol at the different carbon materials supported Pt nano-particles. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 10109-10117.	3.8	67
658	Selective surface modification of activated carbon for enhancing the catalytic performance in hydrogen peroxide production by hydroxylamine oxidation. <i>Journal of Molecular Catalysis A</i> , 2010, 328, 53-59.	4.8	18
659	Carbon spheres. <i>Materials Science and Engineering Reports</i> , 2010, 70, 1-28.	14.8	301
660	Competitive modeling for the biosorptive removal of copper and lead ions from aqueous solution by <i>Mansonia wood</i> sawdust. <i>Bioresource Technology</i> , 2010, 101, 3844-3852.	4.8	129
661	Carbonaceous adsorbents prepared by physical activation of pine sawdust and their application for removal of NO ₂ in dry and wet conditions. <i>Bioresource Technology</i> , 2010, 101, 5802-5807.	4.8	48
662	Electroreduction of oxygen on Pt nanoparticle/carbon nanotube nanocomposites in acid and alkaline solutions. <i>Electrochimica Acta</i> , 2010, 55, 794-803.	2.6	74
663	Poultry litter-based activated carbon for removing heavy metal ions in water. <i>Waste Management</i> , 2010, 30, 308-315.	3.7	76
664	Influence of different heat treatments on the surface properties and catalytic performance of carbon nanotube in ozonation. <i>Applied Catalysis B: Environmental</i> , 2010, 101, 74-80.	10.8	77
665	Preparation and ozone-surface modification of activated carbon. Thermal stability of oxygen surface groups. <i>Applied Surface Science</i> , 2010, 256, 5232-5236.	3.1	60

#	ARTICLE	IF	CITATIONS
666	Adsorption of 2-nitrophenol by multi-wall carbon nanotubes from aqueous solutions. <i>Applied Surface Science</i> , 2010, 256, 4447-4455.	3.1	147
667	Characterization of Manihot residues and preparation of activated carbon. <i>Biomass and Bioenergy</i> , 2010, 34, 389-395.	2.9	6
668	The role of surface chemistry in catalysis with carbons. <i>Catalysis Today</i> , 2010, 150, 2-7.	2.2	558
669	Sorption properties of active carbons obtained from walnut shells by chemical and physical activation. <i>Catalysis Today</i> , 2010, 150, 107-114.	2.2	96
670	Chemical equilibria in wastewaters during toxic metal ion removal by agricultural biomass. <i>Coordination Chemistry Reviews</i> , 2010, 254, 2181-2192.	9.5	68
671	Removal of cadmium from aqueous solutions by oxidized and ethylenediamine-functionalized multi-walled carbon nanotubes. <i>Chemical Engineering Journal</i> , 2010, 157, 238-248.	6.6	360
672	A comparative study on the kinetics and mechanisms of removal of Reactive Black 5 by adsorption onto activated carbons and bone char. <i>Chemical Engineering Journal</i> , 2010, 157, 434-442.	6.6	170
673	Adsorption characteristics of benzene and chlorobenzene vapor on hypercrosslinked polystyrene adsorbent and a pilot-scale application study. <i>Chemical Engineering Journal</i> , 2010, 160, 723-728.	6.6	85
674	Adsorptive removal of Cr (VI) by Fe-modified activated carbon prepared from <i>Trapa natans</i> husk. <i>Chemical Engineering Journal</i> , 2010, 162, 677-684.	6.6	227
675	Effect of activation method on the physicochemical properties and NO ₂ removal abilities of sorbents obtained from plum stones (<i>Prunus domestica</i>). <i>Chemical Engineering Journal</i> , 2010, 162, 723-729.	6.6	28
676	Adsorption of benzene, toluene, ethylbenzene and p-xylene by NaOCl-oxidized carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 353, 83-91.	2.3	188
677	Synthesis and characterization of a functionalized graft copolymer of densified cellulose for the extraction of uranium(VI) from aqueous solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 361, 180-186.	2.3	52
678	Microwave assisted thermal treatment of defective coffee beans press cake for the production of adsorbents. <i>Bioresource Technology</i> , 2010, 101, 1068-1074.	4.8	71
679	Sawdust pellets from coniferous species as adsorbents for NO ₂ removal. <i>Bioresource Technology</i> , 2010, 101, 907-913.	4.8	33
680	An assessment of activated carbon cloth microporosity change due to chemical activation. <i>Carbon</i> , 2010, 48, 1004-1011.	5.4	10
681	Standardization of the Boehm titration. Part I. CO ₂ expulsion and endpoint determination. <i>Carbon</i> , 2010, 48, 1252-1261.	5.4	526
682	Chemical transformations of sulfur compounds adsorbed onto activated carbon materials during thermal desorption. <i>Carbon</i> , 2010, 48, 1558-1569.	5.4	16
683	Potentiometric titration as a straightforward method to assess the number of functional groups on shortened carbon nanotubes. <i>Carbon</i> , 2010, 48, 2447-2454.	5.4	48

#	ARTICLE	IF	CITATIONS
684	Effect of method for thermoexfoliated graphite preparation on electrochemical reduction of molecular oxygen. Carbon, 2010, 48, 2487-2492.	5.4	1
685	Standardization of the Boehm titration: Part II. Method of agitation, effect of filtering and dilute titrant. Carbon, 2010, 48, 3313-3322.	5.4	255
686	Structural study of carbon nanomaterials prepared by chlorination of tungsten carbide and bis(cyclopentadienyl)tungsten dichloride. Carbon, 2010, 48, 3667-3675.	5.4	19
687	Structural and electrochemical modification of graphitic carbons by vapor-phase iodine-incorporation. Carbon, 2010, 48, 4178-4189.	5.4	18
688	Preparation and characterization of superhydrophobic conductive fluorinated carbon blacks. Carbon, 2010, 48, 4382-4390.	5.4	43
689	Removal of Cu (II) from water pollutant with Tunisian activated lignin prepared by phosphoric acid activation. Desalination, 2010, 250, 179-187.	4.0	42
690	Surface modification of coconut-based activated carbon by liquid-phase oxidation and its effects on lead ion adsorption. Desalination, 2010, 255, 78-83.	4.0	208
691	Salty water desalination using carbon nanotube sheets. Desalination, 2010, 258, 182-186.	4.0	104
692	Removal of Cd(II) by modified lawn grass cellulose adsorbent. Desalination, 2010, 259, 120-130.	4.0	26
693	Oxygen-containing functional groups on the oxidized surface of a carbon nanomaterial. Inorganic Materials, 2010, 46, 480-486.	0.2	11
694	Modified Activated Carbon Electrodes for Electrosorption of NaCl from Aqueous Solution. Advanced Materials Research, 2010, 113-116, 2134-2140.	0.3	1
695	Microscopic characterisation of synthetic Terra Preta. Soil Research, 2010, 48, 593.	0.6	29
696	Study on the Adsorption of Trichloroethylene in Water on Activated Carbon and Activated Carbon Fibers. Advanced Materials Research, 0, 113-116, 1021-1024.	0.3	1
697	Preparation and Characterization of Modified Activated Carbon and its Influencing Factors of Cd ²⁺ Adsorption. Advanced Materials Research, 2010, 152-153, 935-939.	0.3	0
698	Hydrothermal Synthesis and Adsorption Properties of Titania-Active Carbon Composites. Advanced Materials Research, 2010, 150-151, 391-395.	0.3	0
699	Changing the Surface Characteristics of CNF, from Hydrophobic to Hydrophilic, via Plasma Polymerization with Acrylic Acid. Journal of Nano Research, 0, 9, 45-53.	0.8	8
700	Characterization of an Novel Extracellular Biopolymer by Scanning Electron Microscopy and FT-IR Spectroscopy and Its Use for Nickel Removal. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, .	0.0	0
701	Review of the stability of biochar in soils: predictability of O:C molar ratios. Carbon Management, 2010, 1, 289-303.	1.2	847

#	ARTICLE	IF	CITATIONS
702	The electrochemical properties of carbon nanotubes and carbon XC-72R and their application as Pt supports. Journal of the Serbian Chemical Society, 2010, 75, 1435-1439.	0.4	1
703	Adsorption Properties of Surface Modified Carbons with Metal Nanoparticles. Journal of Nano Research, 2010, 11, 125-129.	0.8	1
704	Adsorption of Heavy Metal Ions on Pomegranate (<i>Punica Granatum</i>) Peel: Removal and Recovery of Cr(VI) Ions from a Multi-metal Ion System. Adsorption Science and Technology, 2010, 28, 195-211.	1.5	28
705	Adsorptive Removal of Dibenzothiophene in Diesel Fuel on an Adsorbent from Rice Hull Activated by Phosphoric Acid. Advanced Materials Research, 2010, 132, 133-140.	0.3	5
706	Catalytic Wet Air Oxidation of Phenolic Compounds and Mixtures over Activated Carbon: Conversion, Mineralization, and Catalyst Stability. Industrial & Engineering Chemistry Research, 2010, 49, 10707-10714.	1.8	18
707	Malachite green adsorption by mango (<i>Mangifera indica</i>) seed husks: Kinetic, equilibrium and thermodynamic studies. Desalination and Water Treatment, 2010, 19, 241-248.	1.0	33
708	Effect of Properties of Various Activated-Carbon Supports and Supported Fe-Mo-Cu-K Catalysts on Metal Precursor Distribution, Metal Reduction, and Fischer-Tropsch Synthesis. Energy & Fuels, 2010, 24, 4099-4110.	2.5	32
709	Binding and Removal of Sulfate, Phosphate, Arsenate, Tetrachloromercurate, and Chromate in Aqueous Solution by Means of an Activated Carbon Functionalized with a Pyrimidine-Based Anion Receptor (HL). Crystal Structures of [H ₃ L(HgCl ₄)]·H ₂ O and [H ₃ L(HgBr ₄)]·H ₂ O Showing Anion-π Interactions. Inorganic Chemistry, 2010, 49, 9321-9332.	1.9	38
710	Adsorption of Carbon Dioxide from Gas Streams via Mesoporous Spherical-Silica Particles. Journal of the Air and Waste Management Association, 2010, 60, 489-496.	0.9	32
711	Kinetic and Pseudo-Second-Order Modeling of Lead Biosorption onto Pine Cone Powder. Industrial & Engineering Chemistry Research, 2010, 49, 2562-2572.	1.8	56
712	Energy storage in electrochemical capacitors: designing functional materials to improve performance. Energy and Environmental Science, 2010, 3, 1238.	15.6	1,004
713	Characterisation and evaluation of biochars for their application as a soil amendment. Soil Research, 2010, 48, 516.	0.6	763
714	Sedimentary processes for the geosynthesis of heterocyclic aromatic hydrocarbons and fluorenes by surface reactions. Organic Geochemistry, 2010, 41, 522-530.	0.9	42
715	Cellulose-Based Native and Surface Modified Fruit Peels for the Adsorption of Heavy Metal Ions from Aqueous Solution: Langmuir Adsorption Isotherms. Journal of Chemical & Engineering Data, 2010, 55, 1186-1192.	1.0	117
716	Nanomaterials and Supramolecular Structures. , 2010, , .		29
717	Surface modification of pine cone powder and its application for removal of Cu(II) from wastewater. Desalination and Water Treatment, 2010, 19, 275-285.	1.0	10
718	Hydrophobic carbonaceous materials obtained by covalent bonding of perfluorocarbon and perfluoropolyether chains. Journal of Materials Chemistry, 2010, 20, 8607.	6.7	20
719	Size-Dependent Reactivity of Diamond Nanoparticles. ACS Nano, 2010, 4, 4824-4830.	7.3	345

#	ARTICLE	IF	CITATIONS
720	The Role of Intercalated Water in Multilayered Graphene Oxide. ACS Nano, 2010, 4, 5861-5868.	7.3	359
721	Surface modified activated carbon with β -cyclodextrin " Part I. Synthesis and characterization. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2010, 45, 1775-1792.	0.9	6
722	Size-effects in the chemical modification of carbon black nanoparticles with 4-nitroaniline. New Journal of Chemistry, 2010, 34, 2643.	1.4	29
723	Vibration reduction ability of MWCNT PVAc composites measured under high frequency for acoustic device application. Journal of Materials Chemistry, 2011, 21, 4150.	6.7	8
724	Competitive adsorption of phenolic compounds from aqueous solution using sludge-based activated carbon. Environmental Technology (United Kingdom), 2011, 32, 1325-1336.	1.2	66
725	N-butyl Mercaptan Adsorption on Activated Carbon in Aqueous Phase. Separation Science and Technology, 2011, 46, 2004-2021.	1.3	2
726	Oxidative Treatment and Characterization of Plasma Carbon Blacks. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 210-224.	1.0	3
727	Fourier Transform Infrared Spectroscopic Analysis of Fruit Peels before and after the Adsorption of Heavy Metal Ions from Aqueous Solution. Journal of Chemical & Engineering Data, 2011, 56, 2249-2255.	1.0	87
728	Irreversible uptake of palladium from aqueous systems using l-cysteine methyl ester physisorbed on carbon black. Journal of Materials Chemistry, 2011, 21, 9513.	6.7	12
729	<i>N</i> -Nitrosamines Formation from Secondary Amines by Nitrogen Fixation on the Surface of Activated Carbon. Environmental Science & Technology, 2011, 45, 8368-8376.	4.6	46
730	Kinetics and Equilibria of Cd(II) Adsorption onto a Chemically Modified Lawny Grass with H[BTMPP]. Journal of Chemical & Engineering Data, 2011, 56, 1059-1068.	1.0	23
731	Growth of Carbon Nanotubes Catalyzed by Defect-Rich Graphite Surfaces. Chemistry of Materials, 2011, 23, 1637-1639.	3.2	39
732	Surface Modification Effects on CNTs Adsorption of Methylene Blue and Phenol. Journal of Nanomaterials, 2011, 2011, 1-18.	1.5	47
733	Carbons. , 2011, , 269-284.		3
734	XPS Analysis of Combustion Aerosols for Chemical Composition, Surface Chemistry, and Carbon Chemical State. Analytical Chemistry, 2011, 83, 1924-1930.	3.2	113
735	The Role of Oxygen during Thermal Reduction of Graphene Oxide Studied by Infrared Absorption Spectroscopy. Journal of Physical Chemistry C, 2011, 115, 19761-19781.	1.5	776
736	Iodine doping in solid precursor-based CVD growth graphene film. Journal of Materials Chemistry, 2011, 21, 15209.	6.7	113
737	Use of <i>Raphanus sativus L.</i> press cake, a solid residue from biodiesel processing, in the production of adsorbents by microwave activation. Environmental Technology (United Kingdom), 2011, 32, 1073-1083.	1.2	15

#	ARTICLE	IF	CITATIONS
738	Characterization of Hydrophobic Hypercrosslinked Polymer as an Adsorbent for Removal of Chlorinated Volatile Organic Compounds. <i>Environmental Science & Technology</i> , 2011, 45, 4506-4512.	4.6	91
739	Biosorption of Methylene Blue from Aqueous Solution Using Lawny Grass Modified with Citric Acid. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 3392-3399.	1.0	59
740	Synthesis of Mesoporous Carbons from Bituminous Coal Tar Pitch Using Combined Nanosilica Template and KOH Activation. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 13825-13830.	1.8	8
741	Effect of oxygen surface groups on adsorption of benzene derivatives from aqueous solutions onto active carbon samples. <i>Applied Surface Science</i> , 2011, 257, 9466-9472.	3.1	52
742	Alkali extraction of archaeological and geological charcoal: evidence for diagenetic degradation and formation of humic acids. <i>Journal of Archaeological Science</i> , 2011, 38, 69-78.	1.2	80
743	Carbon nanotube blended polyethersulfone membranes for fouling control in water treatment. <i>Water Research</i> , 2011, 45, 274-282.	5.3	453
744	The role of surface oxygen-containing functional groups in liquid-phase adsorptive denitrogenation by activated carbon. <i>New Carbon Materials</i> , 2011, 26, 470-478.	2.9	35
745	Relationship between Thermodynamic Data and Adsorption/Desorption Performance of Acid and Basic Dyes onto Activated Carbons. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 2100-2109.	1.0	31
746	Syntheses of Carbon Nanotube-Metal Oxides Composites; Adsorption and Photo-degradation. , 0, , .		32
747	Adsorption Mechanism of Copper and Cadmium onto Defatted Waste Biomass. <i>Journal of Oleo Science</i> , 2011, 60, 363-368.	0.6	1
748	Adsorption of 1,4-Dioxane from Aqueous Solutions onto Various Activated Carbons. <i>Journal of Water and Environment Technology</i> , 2011, 9, 249-258.	0.3	10
749	Development of Porosity and Copper(II) Ion Adsorption Capacity by Activated Nano-Carbon Xerogels in Relation to Treatment Schemes. <i>Adsorption Science and Technology</i> , 2011, 29, 943-961.	1.5	10
751	Biochar Incorporation into Pasture Soil Suppresses in situ Nitrous Oxide Emissions from Ruminant Urine Patches. <i>Journal of Environmental Quality</i> , 2011, 40, 468-476.	1.0	233
752	References To Part Three. <i>Comprehensive Analytical Chemistry</i> , 2011, , 623-636.	0.7	0
753	The use of carbon black to catalyze the reduction of nitrobenzenes by sulfides. <i>Journal of Hazardous Materials</i> , 2011, 198, 340-346.	6.5	55
754	Electrochemical degradation of Nafion ionomer to functionalize carbon support for methanol electro-oxidation. <i>Journal of Power Sources</i> , 2011, 196, 8225-8233.	4.0	10
755	Ethylenediamine-modified multiwall carbon nanotubes as a Pt catalyst support. <i>Materials Chemistry and Physics</i> , 2011, 130, 657-664.	2.0	2
756	Removal of airborne microorganisms emitted from a wastewater treatment oxidation ditch by adsorption on activated carbon. <i>Journal of Environmental Sciences</i> , 2011, 23, 711-717.	3.2	20

#	ARTICLE	IF	CITATIONS
757	Removal of microcystin-LR from drinking water using a bamboo-based charcoal adsorbent modified with chitosan. <i>Journal of Environmental Sciences</i> , 2011, 23, 1983-1988.	3.2	32
758	Kinetics and pseudo-isotherm studies of 4-nitrophenol adsorption onto mansonia wood sawdust. <i>Industrial Crops and Products</i> , 2011, 33, 418-428.	2.5	35
759	Scope and limitation of activated carbons in aqueous organometallic catalysis. <i>Journal of Catalysis</i> , 2011, 278, 208-218.	3.1	12
760	The adsorption kinetics of cadmium by three different types of carbon nanotubes. <i>Journal of Colloid and Interface Science</i> , 2011, 364, 279-287.	5.0	39
761	Adsorption onto activated carbon for molybdenum recovery from leach liquors of exhausted hydrotreating catalysts. <i>Hydrometallurgy</i> , 2011, 110, 67-72.	1.8	42
762	Maximizing the number of oxygen-containing functional groups on activated carbon by using ammonium persulfate and improving the temperature-programmed desorption characterization of carbon surface chemistry. <i>Carbon</i> , 2011, 49, 5002-5013.	5.4	141
763	Highly selective hydrogenation of 3,4-dichloronitrobenzene over Pd/C catalysts without inhibitors. <i>Catalysis Today</i> , 2011, 173, 62-67.	2.2	20
764	NaOH-activated carbon of high surface area produced from coconut shell: Kinetics and equilibrium studies from the methylene blue adsorption. <i>Chemical Engineering Journal</i> , 2011, 174, 117-125.	6.6	464
765	Qualitative analysis of volatile organic compounds on biochar. <i>Chemosphere</i> , 2011, 85, 869-882.	4.2	384
766	Modifications of black carbons and their influence on pyrene sorption. <i>Chemosphere</i> , 2011, 85, 1306-1311.	4.2	32
767	Methods of production, structure, and physicochemical characteristics of phosphorylated carbon adsorbents. <i>Theoretical and Experimental Chemistry</i> , 2011, 47, 277-291.	0.2	20
768	Carbon corrosion characteristics of CNx nanostructures in acidic media and implications for ORR performance. <i>Journal of Applied Electrochemistry</i> , 2011, 41, 757-763.	1.5	25
769	A method for the preparation of activated carbon based carbon/carbonaceous composites with controllable surface functionality. <i>Journal of Porous Materials</i> , 2011, 18, 743-750.	1.3	7
770	Adsorption of cesium (I) from aqueous solution using oxidized multiwall carbon nanotubes. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 287, 393-401.	0.7	75
771	Benzene and toluene adsorption at low concentration on activated carbon fibres. <i>Adsorption</i> , 2011, 17, 473-481.	1.4	110
772	Adsorption of lead(II) from aqueous solution onto several types of activated carbon fibers. <i>Adsorption</i> , 2011, 17, 515-526.	1.4	51
773	Performance and stability of electrochemical capacitor based on anthraquinone modified activated carbon. <i>Journal of Power Sources</i> , 2011, 196, 4117-4122.	4.0	182
774	Effect of nitrogen-containing groups on enhanced capacitive behaviors of multi-walled carbon nanotubes. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2184-2189.	1.4	26

#	ARTICLE	IF	CITATIONS
775	Microporous carbon molecular sieve as a novel catalyst for the hydroxylation of phenol. <i>Microporous and Mesoporous Materials</i> , 2011, 143, 22-29.	2.2	19
776	Commercial activated carbon for the catalytic production of hydrogen via the sulfur-iodine thermochemical water splitting cycle. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 8908-8914.	3.8	19
777	Factors affecting the catalytic activity of multi-walled carbon nanotube for ozonation of oxalic acid. <i>Separation and Purification Technology</i> , 2011, 78, 147-153.	3.9	62
778	Sorption of norfloxacin from aqueous solutions by activated carbon developed from <i>Trapa natans</i> husk. <i>Science China Chemistry</i> , 2011, 54, 835-843.	4.2	24
779	Nano-structured porous carbon materials for catalysis and energy storage. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 731-743.	1.2	49
780	Preparation and characterization of activated carbons for SO ₂ adsorption from Taixi anthracite by physical activation with steam. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 2344-2350.	1.2	13
781	Facile Synthesis of Pd Nanoparticle Modified Carbon Black for Electroanalysis: Application to the Detection of Hydrazine. <i>Electroanalysis</i> , 2011, 23, 1568-1578.	1.5	59
782	The direct oxidation of hydrogen sulphide over activated carbons prepared from lignite coal and biochar. <i>Canadian Journal of Chemical Engineering</i> , 2011, 89, 844-853.	0.9	27
783	Biosorption of Dyes by Natural and Activated Vine Stem. Interaction between Biosorbent and Dye. <i>Clean - Soil, Air, Water</i> , 2011, 39, 406-412.	0.7	10
785	Selective Catalysis of the Aerobic Oxidation of Cyclohexane in the Liquid Phase by Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3978-3982.	7.2	234
786	Adsorption modeling of Cr, Cd and Cu on activated carbon of different origins by using fractional factorial design. <i>Chemical Engineering Journal</i> , 2011, 166, 881-889.	6.6	93
787	Effect of ammoxidation of activated carbons obtained from sub-bituminous coal on their NO ₂ sorption capacity under dry conditions. <i>Chemical Engineering Journal</i> , 2011, 166, 1039-1043.	6.6	48
788	Preparation and evaluation of cattail fiber-based activated carbon for 2,4-dichlorophenol and 2,4,6-trichlorophenol removal. <i>Chemical Engineering Journal</i> , 2011, 168, 553-561.	6.6	106
789	Adsorption of methylene blue on activated carbon produced from flamboyant pods (<i>Delonix regia</i>): Study of adsorption isotherms and kinetic models. <i>Chemical Engineering Journal</i> , 2011, 168, 722-730.	6.6	432
790	Salty water desalination using carbon nanotubes membrane. <i>Chemical Engineering Journal</i> , 2011, 168, 1064-1072.	6.6	50
791	Adsorption of lead (Pb) from aqueous solution with <i>Typha angustifolia</i> biomass modified by SOCl ₂ activated EDTA. <i>Chemical Engineering Journal</i> , 2011, 170, 21-28.	6.6	78
792	Sorption of norfloxacin by lotus stalk-based activated carbon and iron-doped activated alumina: Mechanisms, isotherms and kinetics. <i>Chemical Engineering Journal</i> , 2011, 171, 431-438.	6.6	197
793	Removal of hexavalent chromium by heat inactivated fungal biomass of <i>Termitomyces clypeatus</i> : Surface characterization and mechanism of biosorption. <i>Chemical Engineering Journal</i> , 2011, 171, 1060-1068.	6.6	159

#	ARTICLE	IF	CITATIONS
794	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.	6.6	234
795	Comparative study on characterization of activated carbons prepared by microwave and conventional heating methods and application in removal of oxytetracycline (OTC). <i>Chemical Engineering Journal</i> , 2011, 171, 1446-1453.	6.6	192
796	Performances of toluene removal by activated carbon derived from durian shell. <i>Bioresource Technology</i> , 2011, 102, 724-728.	4.8	108
797	Nonlinear modelisation of heavy metal removal from aqueous solution using <i>Ulva lactuca</i> algae. <i>Bioresource Technology</i> , 2011, 102, 786-796.	4.8	71
798	Mono-dispersed transition metal nanoparticles on boron-substituted carbon support and applications in hydrogen storage. <i>Carbon</i> , 2011, 49, 140-146.	5.4	15
799	Activated carbon based selective purification of medical grade NO starting from arc discharge method. <i>Carbon</i> , 2011, 49, 2197-2205.	5.4	7
800	Structure, surface morphology and electrochemical properties of brominated activated carbons. <i>Carbon</i> , 2011, 49, 2538-2548.	5.4	84
801	Differentiation and quantification of surface acidities on MWCNTs by indirect potentiometric titration. <i>Carbon</i> , 2011, 49, 2978-2988.	5.4	41
802	Oxygen migration on the graphene surface. 1. Origin of epoxide groups. <i>Carbon</i> , 2011, 49, 4218-4225.	5.4	61
803	Fabrication method of parallel mesoporous carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 377, 150-155.	2.3	10
804	Physico-chemical characteristics and lead biosorption properties of <i>Enteromorpha prolifera</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 85, 316-322.	2.5	19
805	Chemically modified cyclodextrins as supramolecular tools to generate carbon-supported ruthenium nanoparticles: An application towards gas phase hydrogenation. <i>Applied Catalysis A: General</i> , 2011, 391, 334-341.	2.2	24
806	Enhancement of the catalytic activity of TiO ₂ by using activated carbon in the photocatalytic degradation of cytarabine. <i>Applied Catalysis B: Environmental</i> , 2011, 104, 177-184.	10.8	48
807	The influence of treatment temperature on the acidity of MWCNT oxidized by HNO ₃ or a mixture of HNO ₃ /H ₂ SO ₄ . <i>Applied Surface Science</i> , 2011, 257, 7746-7751.	3.1	464
808	Biosorption of hazardous crystal violet dye from aqueous solution onto treated ginger waste (TGW). <i>Desalination</i> , 2011, 265, 112-118.	4.0	257
809	Adsorption of 2,4-dichlorophenol on Mn-modified activated carbon prepared from <i>Polygonum orientale</i> Linn. <i>Desalination</i> , 2011, 266, 175-181.	4.0	50
810	Kinetic and isotherm studies on the electrosorption of NaCl from aqueous solutions by activated carbon electrodes. <i>Desalination</i> , 2011, 267, 239-243.	4.0	150
811	Intensification of the sorption of Rhodamine B from aqueous phase by loquat seeds using ultrasound. <i>Desalination</i> , 2011, 271, 279-286.	4.0	63

#	ARTICLE	IF	CITATIONS
812	Adsorptive removal of direct yellow 161 dye from aqueous solution using bamboo charcoals activated with different chemicals. <i>Desalination</i> , 2011, 274, 81-90.	4.0	74
813	Production of activated carbon from olive bagasse by physical activation. <i>Chemical Engineering Research and Design</i> , 2011, 89, 206-213.	2.7	142
814	Preparation and characterization of Pt on modified multi-wall carbon nanotubes to be used as electrocatalysts for high temperature fuel cell applications. <i>Applied Catalysis B: Environmental</i> , 2011, 106, 379-389.	10.8	56
815	Hydrophobisation of activated carbon fiber and the influence on the adsorption selectivity towards carbon disulfide. <i>Applied Surface Science</i> , 2011, 257, 3596-3602.	3.1	22
816	Quantification of oxygenated species on a diamond-like carbon (DLC) surface. <i>Applied Surface Science</i> , 2011, 257, 7633-7638.	3.1	42
817	Simple approach to carboxyl-rich materials through low-temperature heat treatment of hydrothermal carbon in air. <i>Applied Surface Science</i> , 2011, 257, 8686-8691.	3.1	105
818	Effect of acid treatment on the surface of multiwalled carbon nanotubes prepared from Fe-Co supported on CaCO ₃ : Correlation with Fischer-Tropsch catalyst activity. <i>Journal of Molecular Catalysis A</i> , 2011, 335, 189-198.	4.8	94
819	Preparation and characterization of activated carbon from a new raw lignocellulosic material: Flamboyant (<i>Delonix regia</i>) pods. <i>Journal of Environmental Management</i> , 2011, 92, 178-184.	3.8	125
820	Regeneration of hexamminecobalt(II) catalyzed by activated carbon treated with KOH solutions. <i>Journal of Hazardous Materials</i> , 2011, 191, 184-189.	6.5	14
821	Specific and non-specific interactions of procaine with activated carbon surfaces. <i>Journal of Colloid and Interface Science</i> , 2011, 358, 541-546.	5.0	4
822	On the potential of long carbon nanotube forest for sensing gases and vapors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1199-1207.	1.3	9
823	Correlation of adhesion force and electrical conductivity in Magnéli-type vanadium oxides and highly oriented pyrolytic graphite. <i>Surface Science</i> , 2011, 605, 1271-1274.	0.8	3
824	Removal of Lead(II) from Aqueous Solutions using Pre-boiled and Formaldehyde-Treated Onion Skins as a New Adsorbent. <i>Separation Science and Technology</i> , 2011, 46, 507-517.	1.3	43
825	Adsorption of reactive dye from aqueous solutions by compost. <i>Desalination and Water Treatment</i> , 2011, 28, 164-173.	1.0	28
826	Exploring Potential Methods for Anchoring Amine Groups on the Surface of Activated Carbon for CO ₂ Adsorption. <i>Separation Science and Technology</i> , 2011, 46, 1098-1112.	1.3	55
827	Effect of Coal Structure on Mechanical and Thermal Properties of Coal Filled Soy Protein Composites. <i>Advanced Materials Research</i> , 2011, 236-238, 288-291.	0.3	1
828	Zinc chloride-activated jatropha husk carbon for removal of phenol from water by adsorption: equilibrium and kinetic studies. <i>Toxicological and Environmental Chemistry</i> , 2011, 93, 1111-1122.	0.6	9
829	Comparative Analysis on Chemical Composition and Charcoal Characterization of Two <i>Miscanthus</i> Species. <i>Advanced Materials Research</i> , 2011, 415-417, 1265-1272.	0.3	0

#	ARTICLE	IF	CITATIONS
830	Nickel(II) Ion Adsorption onto Activated Carbon. Relationship between Physicochemical Properties and Adsorption Capacity. <i>Adsorption Science and Technology</i> , 2011, 29, 541-551.	1.5	6
831	Carbonate Selective Ca ₂ Ru ₂ O ₇ - γ Pyrochlore Enabling Room Temperature Carbonate Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2011, 159, B12-B17.	1.3	8
832	Characterization of surface oxygen groups on different carbon materials by the Boehm method and temperature programmed desorption. <i>Journal of the Serbian Chemical Society</i> , 2011, 76, 757-768.	0.4	60
833	Experimental Characterisation of Catalyst-Free Carbon Nanomaterials from Mixed Vegetable and Animal Base Oils through Modified Traditional Process. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-10.	1.5	741
834	Relation Between the Adsorbed Quantity and the Immersion Enthalpy in Catechol Aqueous Solutions on Activated Carbons. <i>International Journal of Molecular Sciences</i> , 2012, 13, 44-55.	1.8	10
835	Modification to Nagle/Strickland-Constable model with consideration of soot nanostructure effects. <i>Combustion Theory and Modelling</i> , 2012, 16, 639-649.	1.0	7
836	Adsorption of Tetramethylammonium Hydroxide on Activated Carbon. <i>Journal of Environmental Engineering, ASCE</i> , 2012, 138, 232-238.	0.7	20
837	Sorptive removal of ciprofloxacin hydrochloride from simulated wastewater using sawdust: Kinetic study and effect of pH. <i>Water S A</i> , 2012, 38, .	0.2	49
838	Valorization of Agroindustrial Wastes as Biosorbent for the Removal of Textile Dyes from Aqueous Solutions. <i>International Journal of Chemical Engineering</i> , 2012, 2012, 1-9.	1.4	26
839	Study of Deashing and Activation on the Coke Fines and Semi-Cokes Based on Properties of Composite Materials. <i>Advanced Materials Research</i> , 0, 600, 178-181.	0.3	1
840	Research on absorption of ammonia by Nitric acid-modified Bamboo Charcoal at low temperature. <i>Desalination and Water Treatment</i> , 2012, 47, 3-10.	1.0	12
841	Preparation of poly(methacrylic acid)-grafted TiO ₂ -densified cellulose as an adsorbent for the removal of copper(II) ions from aqueous solutions and industrial effluents. <i>Toxicological and Environmental Chemistry</i> , 2012, 94, 1099-1113.	0.6	4
842	Effectiveness and mechanisms of hydrogen sulfide adsorption by camphor-derived biochar. <i>Journal of the Air and Waste Management Association</i> , 2012, 62, 873-879.	0.9	45
843	Kinetics, Equilibrium, and Thermodynamic of Pb(II) Biosorption by Citric Acid Modified Lawny Grass Containing Cyanex272. <i>Separation Science and Technology</i> , 2012, 47, 1552-1561.	1.3	3
844	Adsorption of Cationic and Anionic Dyes onto the Activated Carbon Prepared from Grapevine Rhytidome. <i>Journal of Dispersion Science and Technology</i> , 2012, 33, 846-853.	1.3	31
846	Peroxidase-modified cup-stacked carbon nanofiber networks for electrochemical biosensing with adjustable dynamic range. <i>RSC Advances</i> , 2012, 2, 1444-1449.	1.7	23
847	Characterization of Slow Pyrolysis Biochars: Effects of Feedstocks and Pyrolysis Temperature on Biochar Properties. <i>Journal of Environmental Quality</i> , 2012, 41, 990-1000.	1.0	736
848	In situ synthesis of highly qualified TBA-silicalite-2 zeolite membranes on biomorphous charcoal supports. <i>Micro and Nano Letters</i> , 2012, 7, 846.	0.6	2

#	ARTICLE	IF	CITATIONS
849	The Influence of Biochar and Black Carbon on Reduction and Bioavailability of Chromate in Soils. <i>Journal of Environmental Quality</i> , 2012, 41, 1175-1184.	1.0	171
850	Switchgrass Biochar Affects Two Aridisols. <i>Journal of Environmental Quality</i> , 2012, 41, 1123-1130.	1.0	97
851	Adsorption and desorption behavior of water and organic vapor of allophanic soil and templated porous carbon materials. <i>Journal of the Ceramic Society of Japan</i> , 2012, 120, 603-608.	0.5	4
852	Carbon nanotube based stationary phases for microchip chromatography. <i>Lab on A Chip</i> , 2012, 12, 1951.	3.1	21
853	Synthesis of Vasorelaxing 1,4-Disubstituted 1,2,3-Triazoles Catalyzed by a 4-Phenyl-2,6-Di-2-Terpyridine Copper(II) Complex Immobilized on Activated Multiwalled Carbon Nanotubes. <i>Asian Journal of Organic Chemistry</i> , 2012, 1, 377-388.	1.3	31
854	Carbon Supported Pd Nanocrystals as High Efficient Catalyst for Regioselective Hydrogenation of p-Phenylphenol to p-Cyclohexylphenol. <i>Catalysis Letters</i> , 2012, 142, 1321-1329.	1.4	2
855	Wastewater treatment by adsorption with electrochemical regeneration using graphite-based adsorbents. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 797-807.	1.5	27
856	The adsorption of dibenzothiophene using activated carbon loaded with cerium. <i>Journal of Porous Materials</i> , 2012, 19, 713-719.	1.3	25
857	Activated carbon from carrot dross combined with magnetite nanoparticles for the efficient removal of p-nitrophenol from aqueous solution. <i>Chemical Engineering Journal</i> , 2012, 210, 510-519.	6.6	114
858	Optimization of preparation conditions for activated carbon from waste materials of agricultural origin for the removal of basic red 46. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 118, 311-316.	1.8	8
859	Nitrate removal from water using functionalized carbon nanotube sheets. <i>Chemical Engineering Research and Design</i> , 2012, 90, 1815-1822.	2.7	75
860	Surface properties of activated carbon from different raw materials. <i>International Journal of Mining Science and Technology</i> , 2012, 22, 483-486.	4.6	14
861	The Effect of Surface Properties in Activated Carbon on Mercury Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 9136-9144.	1.8	19
862	Hydroxylation of Benzene by Activated Carbon Catalyst. <i>Chinese Journal of Catalysis</i> , 2012, 33, 1622-1630.	6.9	30
863	Microwave regeneration characteristics of activated carbon for flue gas desulfurization. <i>Journal of Fuel Chemistry and Technology</i> , 2012, 40, 1366-1371.	0.9	28
864	On the nature of functional groups in non-functionalized hypercrosslinked polystyrenes. <i>Reactive and Functional Polymers</i> , 2012, 72, 973-982.	2.0	47
865	Monte Carlo simulation of carbon monoxide, carbon dioxide and methane adsorption on activated carbon. <i>Molecular Physics</i> , 2012, 110, 1153-1160.	0.8	38
866	Enhanced reversibility of H ₂ sorption in nanoconfined complex metal hydrides by alkali metal addition. <i>Journal of Materials Chemistry</i> , 2012, 22, 13209.	6.7	32

#	ARTICLE	IF	CITATIONS
867	Influence of Surface Properties of Carbon Fibers Biofilm Carriers on Immobilization of Different Microorganisms. <i>Advanced Materials Research</i> , 2012, 446-449, 2844-2847.	0.3	0
868	Characterization of Carbon Surface Chemistry by Combined Temperature Programmed Desorption with in Situ X-ray Photoelectron Spectrometry and Temperature Programmed Desorption with Mass Spectrometry Analysis. <i>Analytical Chemistry</i> , 2012, 84, 2147-2153.	3.2	96
869	Direct Synthesis of Cup-Stacked Carbon Nanofiber Microspheres by the Catalytic Pyrolysis of Poly(ethylene glycol). <i>Langmuir</i> , 2012, 28, 8760-8766.	1.6	11
870	Gold on carbon: one billion catalysts under a single label. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2969.	1.3	74
871	The use of indigenous coal reserves for the removal of lead(II) from the aquatic environment by adsorption. <i>International Journal of Environmental Studies</i> , 2012, 69, 888-903.	0.7	2
872	Influence of Surface Oxidation of Multiwalled Carbon Nanotubes on the Adsorption Affinity and Capacity of Polar and Nonpolar Organic Compounds in Aqueous Phase. <i>Environmental Science & Technology</i> , 2012, 46, 5446-5454.	4.6	112
873	Thermal analysis of activated carbons modified with silver metavanadate. <i>Thermochimica Acta</i> , 2012, 541, 42-48.	1.2	11
874	The heterogeneous coagulation and flocculation of brewery wastewater using carbon nanotubes. <i>Water Research</i> , 2012, 46, 1185-1197.	5.3	91
875	Use of cork powder and granules for the adsorption of pollutants: A review. <i>Water Research</i> , 2012, 46, 3152-3166.	5.3	130
876	Photoluminescent carbogenic nanoparticles directly derived from crude biomass. <i>Green Chemistry</i> , 2012, 14, 3141.	4.6	70
877	A binderless, covalently bulk modified electrochemical sensor: Application to simultaneous determination of lead and cadmium at trace level. <i>Analytica Chimica Acta</i> , 2012, 728, 9-17.	2.6	28
878	Carbon nanotubes as solid-phase extraction sorbents prior to atomic spectrometric determination of metal species: A review. <i>Analytica Chimica Acta</i> , 2012, 749, 16-35.	2.6	159
879	Hydrodeoxygenation of guaiacol over carbon-supported molybdenum nitride catalysts: Effects of nitriding methods and support properties. <i>Applied Catalysis A: General</i> , 2012, 439-440, 111-124.	2.2	126
880	Oxidation behavior of multiwall carbon nanotubes with different diameters and morphology. <i>Applied Surface Science</i> , 2012, 258, 6272-6280.	3.1	124
881	Evaluation of the performance of an agricultural residue-based activated carbon aiming at removal of phenylalanine from aqueous solutions. <i>LWT - Food Science and Technology</i> , 2012, 49, 155-161.	2.5	24
882	Pb (II) removal from aqueous media by EDTA-modified mesoporous silica SBA-15. <i>Journal of Colloid and Interface Science</i> , 2012, 385, 137-146.	5.0	185
883	Synthesis of zeolite-casted microporous carbons and their hydrogen storage capacity. <i>Journal of Colloid and Interface Science</i> , 2012, 384, 116-120.	5.0	29
884	Performance evaluation and application of oxygen enriched waste rubber tire adsorbent for the removal of hazardous aniline derivatives from waste water. <i>Chemical Engineering Journal</i> , 2012, 203, 447-457.	6.6	27

#	ARTICLE	IF	CITATIONS
885	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.	6.6	96
886	Adsorption of bilirubin to magnetic multi-walled carbon nanotubes as a potential application in bound solute dialysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 405, 38-44.	2.3	32
887	Continuous Flow Reactor for Hydroxylation of Benzene to Phenol by Hydrogen Peroxide. <i>Chinese Journal of Chemical Physics</i> , 2012, 25, 585-591.	0.6	7
888	Chemical analysis of surface oxygenated moieties of fluorescent carbon nanoparticles. <i>Nanoscale</i> , 2012, 4, 1010.	2.8	5
889	Methane and carbon dioxide adsorption on edge-functionalized graphene: A comparative DFT study. <i>Journal of Chemical Physics</i> , 2012, 137, 054702.	1.2	105
890	Chemical characterization of rice straw-derived biochar for soil amendment. <i>Biomass and Bioenergy</i> , 2012, 47, 268-276.	2.9	517
891	Preparation of Nanoporous Carbon Using an Aluminophosphate Framework Template. <i>Chinese Journal of Catalysis</i> , 2012, 33, 465-472.	6.9	4
892	Deposition of Pt nanoparticles on different carbonaceous materials by using different preparation methods for PEMFC electrocatalysts. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 17910-17920.	3.8	26
893	Physico-chemical characterization of biochars from vacuum pyrolysis of South African agricultural wastes for application as soil amendments. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012, 98, 207-213.	2.6	86
894	Preparation and adsorption performance of 5-azacytosine-functionalized hydrothermal carbon for selective solid-phase extraction of uranium. <i>Journal of Colloid and Interface Science</i> , 2012, 386, 291-299.	5.0	83
895	Preparation and evaluation of hydrotreating catalysts based on activated carbon derived from oil sand petroleum coke. <i>Applied Catalysis A: General</i> , 2012, 441-442, 99-107.	2.2	27
896	Enhanced capture of elemental mercury by bamboo-based sorbents. <i>Journal of Hazardous Materials</i> , 2012, 239-240, 160-166.	6.5	47
897	Regeneration of hexamminecobalt(II) under the catalysis of activated carbon modified with ZnCl ₂ solution. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 1628-1634.	2.9	16
898	Aromatic sulfide, sulfoxide, and sulfone mediated mesoporous carbon monolith for use in supercapacitor. <i>Nano Energy</i> , 2012, 1, 624-630.	8.2	288
899	A high-rate and long cycle life aqueous electrolyte battery for grid-scale energy storage. <i>Nature Communications</i> , 2012, 3, 1149.	5.8	503
900	Spatially Resolved Modeling of Electric Double Layers and Surface Chemistry for the Hydrogen Oxidation Reaction in Water-Filled Platinum-Carbon Electrodes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 9862-9875.	1.5	35
901	Graduate Theses and Dissertations. , 2012, , 63-79.		13
902	Mesoporous Carbon/Zirconia Composites: A Potential Route to Chemically Functionalized Electrically-Conductive Mesoporous Materials. <i>Langmuir</i> , 2012, 28, 3259-3270.	1.6	13

#	ARTICLE	IF	CITATIONS
903	Biochar: Carbon Sequestration, Land Remediation, and Impacts on Soil Microbiology. <i>Critical Reviews in Environmental Science and Technology</i> , 2012, 42, 2311-2364.	6.6	158
904	Synthesis of Conjunctive Zeolite-Activated Carbon Composite Adsorbent from Rice Hulls for Simultaneous Adsorption of CO ₂ and H ₂ O. , 2012, , .		3
905	Metakaolinite as a catalyst for biodiesel production from waste cooking oil. <i>Frontiers of Chemical Science and Engineering</i> , 2012, 6, 403-409.	2.3	12
906	Carbon Nanocoils as Unusual Electrode Materials for Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2012, 159, A464-A469.	1.3	17
907	Reduction of Nitrobenzene with Hydrazine Hydrate Catalyzed by Acid-Treated Activated Carbon. <i>Chinese Journal of Catalysis</i> , 2012, 33, 1463-1469.	6.9	13
908	Highly selective CO ₂ capture on N-doped carbon produced by chemical activation of polypyrrole functionalized graphene sheets. <i>Chemical Communications</i> , 2012, 48, 735-737.	2.2	328
909	The Basicity of Carbons. , 2012, , 173-203.		12
910	Adsorption by Phosphorus-Containing Carbons. , 2012, , 245-267.		7
911	Porous Texture Versus Surface Chemistry in Applications of Adsorption by Carbons. , 2012, , 471-498.		6
912	Nonenvironmental Industrial Applications of Activated Carbon Adsorption. , 2012, , 605-638.		17
913	Equilibrium and Kinetics of Lead Adsorption onto Tyre Char. <i>HKIE Transactions</i> , 2012, 19, 20-28.	1.9	4
914	Nitrogen-Doped Carbonaceous Materials for Removal of Phenol from Aqueous Solutions. <i>Scientific World Journal</i> , The, 2012, 2012, 1-8.	0.8	8
915	Review of Syngas Contaminants removal using Carbon-based Catalysts. , 2012, , .		0
916	Urea coated with oxidized charcoal reduces ammonia volatilization. <i>Revista Brasileira De Ciencia Do Solo</i> , 2012, 36, 1221-1230.	0.5	16
917	Influence of preoxidizing treatments on the preparation of iron-containing activated carbons for catalytic wet peroxide oxidation of phenol. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 880-886.	1.6	21
918	Reduced adsorption of propanil to black carbon: Effect of dissolved organic matter loading mode and molecule size. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 1187-1193.	2.2	20
919	Fast and Selective Sugar Conversion to Alkyl Lactate and Lactic Acid with Bifunctional Carbon-Silica Catalysts. <i>Journal of the American Chemical Society</i> , 2012, 134, 10089-10101.	6.6	337
920	Comparative studies of three kinds of activated carbon reactivated by KOH. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012, 7, 598-603.	0.8	4

#	ARTICLE	IF	CITATIONS
921	Effect of solvent nature in casting carbon-based carbon nanofiber/poly(methyl methacrylate) nanocomposites. Journal of Applied Polymer Science, 2012, 125, 3228-3238.	1.3	3
922	Study of correlations between the physicochemical properties of carbon nanotubes and the type of catalyst used for their synthesis. Journal of Analytical Chemistry, 2012, 67, 423-428.	0.4	6
923	Hierarchically aminated graphene honeycombs for electrochemical capacitive energy storage. Journal of Materials Chemistry, 2012, 22, 14076.	6.7	280
924	Characterisation of Activated Carbons with High Surface Area and Variable Porosity Produced from Agricultural Cotton Waste by Chemical Activation and Co-activation. Waste and Biomass Valorization, 2012, 3, 117-130.	1.8	16
925	Chemically functionalized glassy carbon spheres: a new covalent bulk modified composite electrode for the simultaneous determination of lead and cadmium. Journal of Solid State Electrochemistry, 2012, 16, 1953-1963.	1.2	35
926	Gas-phase elemental mercury removal by novel carbon-based sorbents. Carbon, 2012, 50, 362-371.	5.4	156
927	Free radicals and graphite. Carbon, 2012, 50, 3154-3157.	5.4	35
928	Effects of carbon dioxide and acidic carbon compounds on the analysis of Boehm titration curves. Carbon, 2012, 50, 1510-1516.	5.4	33
929	A simple method for determining the neutralization point in Boehm titration regardless of the CO ₂ effect. Carbon, 2012, 50, 3315-3323.	5.4	41
930	An efficient procedure to bond nanostructured nitrogen functionalities to carbon surfaces. Carbon, 2012, 50, 3977-3986.	5.4	12
931	Carbon nanotubes supported Pt catalysts for phenylacetylene hydrogenation: effects of oxygen containing surface groups on Pt dispersion and catalytic performance. Catalysis Today, 2012, 186, 69-75.	2.2	73
932	Adsorption characteristics of water vapor on the hypercrosslinked polymeric adsorbent. Chemical Engineering Journal, 2012, 180, 106-112.	6.6	49
933	Modification of corncob with citric acid to enhance its capacity for adsorbing cadmium(II) from water solution. Chemical Engineering Journal, 2012, 180, 113-120.	6.6	97
934	NO ₂ removal by adsorbents prepared from waste paper sludge. Chemical Engineering Journal, 2012, 183, 278-283.	6.6	16
935	Adsorptive removal of aniline from aqueous solution by oxygen plasma irradiated bamboo based activated carbon. Chemical Engineering Journal, 2012, 185-186, 201-210.	6.6	88
936	The influence of silver on the physicochemical and catalytic properties of activated carbons. Chemical Engineering Journal, 2012, 189-190, 422-430.	6.6	14
937	NO ₂ removal on adsorbents obtained by pyrolysis and physical activation of corrugated cardboard. Chemical Engineering Journal, 2012, 195-196, 7-14.	6.6	45
938	Conductivity and superhydrophobic effect on PFPE-modified porous carbonaceous materials. International Journal of Hydrogen Energy, 2012, 37, 6277-6284.	3.8	16

#	ARTICLE	IF	CITATIONS
939	Improving hydrogen storage in modified carbon materials. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 4144-4160.	3.8	43
940	Promotion of Co/carbon sphere Fischer-Tropsch catalysts by residual K and Mn from carbon oxidation by KMnO ₄ . <i>Applied Catalysis A: General</i> , 2012, 413-414, 223-229.	2.2	16
941	Effect of hydrogen spillover in decalin dehydrogenation over supported Pt catalysts. <i>Applied Catalysis A: General</i> , 2012, 425-426, 62-67.	2.2	34
942	Quality variations of poultry litter biochar generated at different pyrolysis temperatures. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012, 94, 138-145.	2.6	528
943	Influence of surface functionalization via chemical oxidation on the properties of carbon nanotubes. <i>Journal of Colloid and Interface Science</i> , 2012, 370, 32-38.	5.0	125
944	Influence of pH and surface oxygen-containing groups on multiwalled carbon nanotubes on the transformation and adsorption of 1-naphthol. <i>Journal of Colloid and Interface Science</i> , 2012, 374, 226-231.	5.0	24
945	Biosorption and desorption of Nickel on oil cake: Batch and column studies. <i>Bioresource Technology</i> , 2012, 103, 35-42.	4.8	88
946	Surface properties of SAC and its adsorption mechanisms for phenol and nitrobenzene. <i>Bioresource Technology</i> , 2012, 113, 121-126.	4.8	40
947	Synthesis of morphology-controlled carbon hollow particles by carbonization of resorcinol-formaldehyde precursor microspheres and applications in lithium-ion batteries. <i>Materials Chemistry and Physics</i> , 2012, 133, 429-436.	2.0	19
948	Preconcentration of trace lead and iron on activated carbon functionalized by o-Anisic acid derivatives prior to their determination in environmental samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 93, 335-342.	2.0	4
949	Chemical treatment of CNTs in acidic KMnO ₄ solution and promoting effects on the corresponding Pd-Pt/CNTs catalyst. <i>Journal of Molecular Catalysis A</i> , 2012, 356, 114-120.	4.8	23
950	Microscopy and spectroscopy analysis of carbon nanostructures in highly fertile Amazonian anthrosoils. <i>Soil and Tillage Research</i> , 2012, 122, 61-66.	2.6	48
951	Physical properties of nanofluid suspension of ferromagnetic graphite with high Zeta potential. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 544-546.	0.9	28
952	A graphene oxide-based electrochemical sensor for sensitive determination of 4-nitrophenol. <i>Journal of Hazardous Materials</i> , 2012, 201-202, 250-259.	6.5	420
953	Degradation of paracetamol by catalytic wet air oxidation and sequential adsorption - Catalytic wet air oxidation on activated carbons. <i>Journal of Hazardous Materials</i> , 2012, 221-222, 131-138.	6.5	48
954	Statistical-mechanical derivation of generalised langmuir equation and its application for the interpretation of chromatographic data for the adsorption of water and methanol on non-porous carbon materials. <i>Colloid Journal</i> , 2012, 74, 356-365.	0.5	1
955	Removal of Pyridine from Aqueous Solution by Adsorption on an Activated Carbon Cloth. <i>Clean - Soil, Air, Water</i> , 2012, 40, 45-53.	0.7	25
956	Treatment of an industrial chemical waste-water using a granular activated carbon adsorption-microwave regeneration process. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1004-1009.	1.6	24

#	ARTICLE	IF	CITATIONS
957	Dielectric relaxation behavior of conducting carbon black reinforced ethylene acrylic elastomer vulcanizates. <i>Journal of Applied Polymer Science</i> , 2012, 124, 678-688.	1.3	29
958	Start-up of Completely Autotrophic Nitrogen Removal Over Nitrite Enhanced by Hydrophilic-Modified Carbon Fiber. <i>Applied Biochemistry and Biotechnology</i> , 2012, 166, 866-877.	1.4	18
959	Biochar adsorbed ammonia is bioavailable. <i>Plant and Soil</i> , 2012, 350, 57-69.	1.8	371
960	Biochar's role as an alternative N-fertilizer: ammonia capture. <i>Plant and Soil</i> , 2012, 350, 35-42.	1.8	242
961	Adsorption characteristics of [Fe(III)-EDTA] ⁻ on granular activated carbon from aqueous solutions. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 470-479.	1.3	4
962	Wear behavior of in situ polymerized carbon nanotube/ultra high molecular weight polyethylene composites. <i>Macromolecular Research</i> , 2013, 21, 965-970.	1.0	19
963	Activated carbon derived from macadamia nut shells: an effective adsorbent for phenol removal. <i>Journal of Porous Materials</i> , 2013, 20, 619-627.	1.3	40
964	Removal of uranium(VI) from aqueous solutions by carboxyl-rich hydrothermal carbon spheres through low-temperature heat treatment in air. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 298, 361-368.	0.7	24
965	Cytotoxicity evaluation of carbon-encapsulated iron nanoparticles in melanoma cells and dermal fibroblasts. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1835.	0.8	39
966	Graphite Oxide's Stages of Formation and a New View on Its Structure. <i>Theoretical and Experimental Chemistry</i> , 2013, 49, 88-95.	0.2	3
967	Ecotoxicological analysis of fly ash and rice-straw black carbon on <i>Microcystis aeruginosa</i> using flow cytometry. <i>Ecotoxicology and Environmental Safety</i> , 2013, 92, 51-56.	2.9	2
968	Removal of humic acid from water using adsorption coupled with electrochemical regeneration. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1415-1422.	1.2	8
969	Reinforcement of Elastomers by Particulate Fillers. , 2013, , 383-416.		35
970	Influence of Functional Groups on Desorption of Organic Compounds from Carbon Nanotubes into Water: Insight into Desorption Hysteresis. <i>Environmental Science & Technology</i> , 2013, 47, 130726083137003.	4.6	21
971	Preparation, characterization and evaluation of adsorptive properties of leather waste based activated carbon via physical and chemical activation. <i>Chemical Engineering Journal</i> , 2013, 221, 62-71.	6.6	94
972	Preparation of highly developed mesoporous activated carbon by H4P2O7 activation and its adsorption behavior for oxytetracycline. <i>Powder Technology</i> , 2013, 249, 54-62.	2.1	46
973	Following the Evolution of Ru/Activated Carbon Catalysts during the Decomposition's Reduction of the Ru(NO)(NO ₃) ₃ Precursor. <i>ChemCatChem</i> , 2013, 5, 2446-2452.	1.8	18
974	Kinetics, Equilibrium, and Comparison of Multistage Batch Adsorber Design Models for Biosorbent Dose in Metal Removal from Wastewater. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 5513-5521.	1.8	4

#	ARTICLE	IF	CITATIONS
975	Heterogenization of Homogeneous Catalysts on Carbon Materials. , 2013, , 55-78.		13
976	Approaches to Synthesize Carbon-Supported Platinum-Based Electrocatalysts for Proton-Exchange Membrane Fuel Cells. , 2013, , 407-428.		5
977	Carboxyl-functionalized mesoporous silica-carbon composites as highly efficient adsorbents in liquid phase. Microporous and Mesoporous Materials, 2013, 176, 78-85.	2.2	33
978	The influence of acid treatment of carbon nanofibers on the activity of palladium catalysts in the liquid-phase hydrodechlorination of dichlorobenzene. Applied Catalysis A: General, 2013, 467, 386-393.	2.2	19
979	Bridging Heterogeneous Catalysis and Electro-catalysis: Catalytic Reactions Involving Oxygen. Topics in Catalysis, 2013, 56, 1603-1610.	1.3	1
980	Adsorption of Direct Blend Yellow D-3RNL onto bamboo-base activated carbon: optimization, kinetics, and isotherm. Desalination and Water Treatment, 2013, 51, 5792-5804.	1.0	3
981	Simultaneous Adsorption/Reduction of Bromate by Nanoscale Zerovalent Iron Supported on Modified Activated Carbon. Industrial & Engineering Chemistry Research, 2013, 52, 12574-12581.	1.8	93
983	Preparation of Sulfonated Carbons from Rice Husk and Their Application in Catalytic Conversion of Glycerol. ACS Sustainable Chemistry and Engineering, 2013, 1, 1381-1389.	3.2	81
984	Synthesis and functionalization of carbon xerogels to be used as supports for fuel cell catalysts. Journal of Energy Chemistry, 2013, 22, 195-201.	7.1	45
985	Simple quantification of surface carboxylic acids on chemically oxidized multi-walled carbon nanotubes. Applied Surface Science, 2013, 266, 219-224.	3.1	51
986	Surface characteristics of selected carbon materials exposed to supercritical water. Journal of Supercritical Fluids, 2013, 76, 32-40.	1.6	21
987	A study of slow pyrolysis of one low rank coal via pyrolysis-GC/MS. Fuel Processing Technology, 2013, 116, 85-93.	3.7	98
988	Multicomponent adsorption of chlorhexidine gluconate in presence of a cationic surfactant: Role of electrostatic interactions and surface complexation. Journal of Environmental Chemical Engineering, 2013, 1, 241-251.	3.3	8
989	Heavy metal and phenol adsorptive properties of biochars from pyrolyzed switchgrass and woody biomass in correlation with surface properties. Journal of Environmental Management, 2013, 118, 196-204.	3.8	193
990	Pyrolysis temperature induced changes in characteristics and chemical composition of biochar produced from conocarpus wastes. Bioresource Technology, 2013, 131, 374-379.	4.8	758
991	Kinetic and thermodynamic parameters of iron adsorption onto olive stones. Industrial Crops and Products, 2013, 49, 526-534.	2.5	76
993	EFFECTS OF ULTRASONIC RADIATION INTENSITY ON THE OXIDATION OF SINGLE-WALLED CARBON NANOTUBES IN A MIXTURE OF SULFURIC AND NITRIC ACIDS. Nano, 2013, 08, 1350040.	0.5	6
994	Surface modification of coconut-based activated carbon by SDS and its effects on Pb ²⁺ adsorption. Journal of Central South University, 2013, 20, 1156-1160.	1.2	9

#	ARTICLE	IF	CITATIONS
995	Influence of humic acid on the sorption of pentachlorophenol by aged sediment amended with rice-straw biochar. <i>Applied Geochemistry</i> , 2013, 33, 76-83.	1.4	27
996	Macroscopic and microscopic studies of methylene blue sorption onto extracted celluloses from <i>Posidonia oceanica</i> . <i>Industrial Crops and Products</i> , 2013, 45, 106-113.	2.5	46
997	Surface properties and water vapor adsorption-desorption characteristics of bamboo-based activated carbon. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 104, 667-674.	2.6	37
998	Preparation, modification and industrial application of activated carbon from almond shell. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 2092-2099.	2.9	91
999	Carbon in Catalysis. <i>Advances in Catalysis</i> , 2013, 56, 103-185.	0.1	18
1000	Ordered mesoporous carbons supported wacker-type catalyst for catalytic oxidative carbonylation. <i>AIChE Journal</i> , 2013, 59, 3797-3805.	1.8	15
1001	Tuning the catalytic performance of carbon nanotubes by tuning the conjugation between the π orbitals of carbon nanotubes and the active oxygenic functional groups. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1291-1296.	6.9	7
1002	Characteristics and nutrient values of biochars produced from giant reed at different temperatures. <i>Bioresource Technology</i> , 2013, 130, 463-471.	4.8	301
1003	Evaluation of animal hairs-based activated carbon for sorption of norfloxacin and acetaminophen by comparing with cattail fiber-based activated carbon. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 101, 156-165.	2.6	77
1004	Adsorption of toluene and toluene-water vapor mixture on almond shell based activated carbons. <i>Adsorption</i> , 2013, 19, 1137-1148.	1.4	31
1005	Comparative Sorption of Pb and Cd by Biochars and Its Implication for Metal Immobilization in Soils. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	104
1006	Comparisons of Biochar Properties from Wood Material and Crop Residues at Different Temperatures and Residence Times. <i>Energy & Fuels</i> , 2013, 27, 5890-5899.	2.5	202
1007	Kinetics and mechanisms of hydrogen sulfide adsorption by biochars. <i>Bioresource Technology</i> , 2013, 133, 495-499.	4.8	82
1008	Adsorptive virus removal with super-powdered activated carbon. <i>Separation and Purification Technology</i> , 2013, 107, 79-84.	3.9	39
1009	On the relative strength of adsorption of gases on carbon surfaces with functional groups: fluid-fluid, fluid-graphite and fluid-functional group interactions. <i>Carbon</i> , 2013, 61, 551-557.	5.4	21
1010	Energetic changes in the surface of activated carbons and relationship with Ni(II) adsorption from aqueous solution. <i>Applied Surface Science</i> , 2013, 286, 351-357.	3.1	14
1011	Activated carbon fibers as redox mediators for the increased reduction of nitroaromatics. <i>Carbon</i> , 2013, 55, 276-284.	5.4	87
1012	Biochar: Sustainable and Versatile. <i>ACS Symposium Series</i> , 2013, , 193-205.	0.5	13

#	ARTICLE	IF	CITATIONS
1013	Design principles for microporous organic solids from predictive computational screening. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11950.	5.2	37
1014	Hexamine adsorption study on activated carbon from aqueous solutions for application in treatment of hexamine industrial wastewater. <i>International Journal of Environmental Science and Technology</i> , 2013, 10, 19-26.	1.8	15
1015	Effect of chemical extractants on the biosorptive properties of pine cone powder: Influence on lead(II) removal mechanism. <i>Journal of Saudi Chemical Society</i> , 2013, 17, 77-86.	2.4	32
1016	Influence of activated carbon characteristics on toluene and hexane adsorption: Application of surface response methodology. <i>Applied Surface Science</i> , 2013, 264, 335-343.	3.1	35
1017	Carbon Nanomaterials in Catalysis: Proton Affinity, Chemical and Electronic Properties, and their Catalytic Consequences. <i>ChemCatChem</i> , 2013, 5, 378-401.	1.8	228
1018	Extraction of sediment-associated polycyclic aromatic hydrocarbons with granular activated carbon. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 304-311.	2.2	26
1019	Tracing paper substrate used for development of interdigitated graphite electrode and its application as humidity sensor. <i>Synthetic Metals</i> , 2013, 183, 36-39.	2.1	26
1020	Preparation and characterization of activated carbon from wool waste and the comparison of muffle furnace and microwave heating methods. <i>Powder Technology</i> , 2013, 249, 234-240.	2.1	36
1021	Granular activated carbon anchored with quaternary ammonium/epoxide-forming compounds to enhance perchlorate removal from groundwater. <i>Carbon</i> , 2013, 53, 197-207.	5.4	38
1022	CO ₂ Capture with Activated Carbon Grafted by Nitrogenous Functional Groups. <i>Energy & Fuels</i> , 2013, 27, 4818-4823.	2.5	67
1023	Toluene and n-hexane adsorption and recovery behavior on activated carbons derived from almond shell wastes. <i>Fuel Processing Technology</i> , 2013, 110, 1-7.	3.7	35
1024	Biochar based solid acid catalyst hydrolyze biomass. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 1174-1181.	3.3	66
1025	Effects of pH and metal ions on oxytetracycline sorption to maize-straw-derived biochar. <i>Bioresource Technology</i> , 2013, 136, 87-93.	4.8	211
1026	Enhanced microbial decolorization of methyl red with oxidized carbon fiber as redox mediator. <i>Journal of Hazardous Materials</i> , 2013, 260, 967-974.	6.5	37
1027	Preparation of activated carbons from <i>Iris tectorum</i> employing ferric nitrate as dopant for removal of tetracycline from aqueous solutions. <i>Ecotoxicology and Environmental Safety</i> , 2013, 98, 273-282.	2.9	51
1028	Activated porous carbon nanofibers using Sn segregation for high-performance electrochemical capacitors. <i>Carbon</i> , 2013, 65, 87-96.	5.4	89
1030	Adsorption kinetic and mechanistic studies for pharmaceutical spherical carbon adsorbents: Comparison of a brand product and two generics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 538-543.	2.5	7
1031	High-Yielding One-Pot Synthesis of Glucose from Cellulose Using Simple Activated Carbons and Trace Hydrochloric Acid. <i>ACS Catalysis</i> , 2013, 3, 581-587.	5.5	198

#	ARTICLE	IF	CITATIONS
1032	Sorption of pollutants by porous carbon, carbon nanotubes and fullerene- An overview. <i>Environmental Science and Pollution Research</i> , 2013, 20, 2828-2843.	2.7	849
1033	Application of modified multiwall carbon nanotubes as a sorbent for zirconium (IV) adsorption from aqueous solution. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 298, 835-845.	0.7	13
1034	Influence of synthesis conditions on properties of green-reduced graphene oxide. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	31
1035	Risks of Single-Walled Carbon Nanotubes Acting as Contaminants-Carriers: Potential Release of Phenanthrene in Japanese Medaka (<i>Oryzias latipes</i>). <i>Environmental Science & Technology</i> , 2013, 47, 4704-4710.	4.6	78
1036	Functionalized granular activated carbon and surface complexation with chromates and bi-chromates in wastewater. <i>Science of the Total Environment</i> , 2013, 447, 472-487.	3.9	23
1037	Functionalization of porous carbons for catalytic applications. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9351.	5.2	217
1038	An Insight Into the Production, Characterization, and Mechanisms of Action of Low-Cost Adsorbents for Removal of Organics From Aqueous Solution. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 443-549.	6.6	37
1039	Synergy effect in the photocatalytic degradation of methylene blue on a suspended mixture of TiO ₂ and N-containing carbons. <i>Carbon</i> , 2013, 54, 460-471.	5.4	48
1040	Cr(III) biosorption by forest wastes from <i>Araucaria angustifolia</i> and <i>Pinus elliottii</i> : biosorbent surface characterization and chromium quantification by spectrofluorimetry in micellar medium. <i>Desalination and Water Treatment</i> , 2013, 51, 5617-5626.	1.0	7
1041	Pre-treatment of adsorbents for waste water treatment using adsorption coupled-with electrochemical regeneration. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 1689-1696.	2.9	26
1042	Role of Black Carbon Electrical Conductivity in Mediating Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) Transformation on Carbon Surfaces by Sulfides. <i>Environmental Science & Technology</i> , 2013, 47, 7129-7136.	4.6	155
1043	Thermal regeneration study of high surface area activated carbon obtained from coconut shell: Characterization and application of response surface methodology. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 101, 53-60.	2.6	81
1046	Surface plasma pretreatment for enhanced diamond nucleation on AlN. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	29
1047	Application of crop straw derived biochars to Cu(II) contaminated Ultisol: Evaluating role of alkali and organic functional groups in Cu(II) immobilization. <i>Bioresource Technology</i> , 2013, 133, 537-545.	4.8	91
1048	Effect of acidic activating agents on surface area and surface functional groups of activated carbons produced from <i>Acacia mangium</i> wood. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 104, 418-425.	2.6	89
1049	Preparation and characterization of corn cob activated carbon coated with nano-sized magnetite particles for the removal of Cr(VI). <i>Bioresource Technology</i> , 2013, 134, 94-100.	4.8	243
1050	Adsorptive Removal of Thiophenic Compounds from Oils by Activated Carbon Modified with Concentrated Nitric Acid. <i>Energy & Fuels</i> , 2013, 27, 1499-1505.	2.5	67
1051	Water Holding Capacity and Absorption Properties of Wood Chars. <i>Energy & Fuels</i> , 2013, 27, 2643-2648.	2.5	66

#	ARTICLE	IF	CITATIONS
1052	Rapid Flow Through Biocatalysis with High Surface Area, Enzyme-Loaded Carbon and Gold-Bearing Diatom Frustule Replicas. <i>Advanced Functional Materials</i> , 2013, 23, 4611-4620.	7.8	32
1053	Physicochemical and microtextural characterization of activated carbons produced from water steam activation of three bamboo species. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 99, 32-39.	2.6	41
1054	Development of an activated carbon-packed microbial bioelectrochemical system for azo dye degradation. <i>Bioresource Technology</i> , 2013, 127, 37-43.	4.8	47
1055	Characterizing the Structure of Organic Molecules of Intrinsic Microporosity by Molecular Simulations and X-ray Scattering. <i>Journal of Physical Chemistry B</i> , 2013, 117, 355-364.	1.2	51
1056	Bioslurry as a Fuel. 5. Fuel Properties Evolution and Aging during Bioslurry Storage. <i>Energy & Fuels</i> , 2013, 27, 7560-7568.	2.5	37
1057	Oxidative modifications of rice hull-based carbons for dibenzothiophene adsorptive removal. <i>Catalysis Today</i> , 2013, 212, 31-37.	2.2	29
1058	Ultrasound-assisted removal of methylene blue from aqueous solution by milk thistle seed. <i>Desalination and Water Treatment</i> , 2013, 51, 5805-5812.	1.0	13
1059	The influence of the acid source on the structural and anti-oxidation properties of ordered mesoporous carbons. <i>RSC Advances</i> , 2013, 3, 25050.	1.7	3
1060	Evaluation of Modified Boehm Titration Methods for Use with Biochars. <i>Journal of Environmental Quality</i> , 2013, 42, 1771-1778.	1.0	92
1061	Surface Modification of Activated Carbon and its Effects on Methane Adsorption. <i>Applied Mechanics and Materials</i> , 2013, 395-396, 605-609.	0.2	2
1062	Preparation and Characterization of Moso Bamboo Charcoal Modified with Nitric Acid. <i>Advanced Materials Research</i> , 0, 864-867, 684-689.	0.3	0
1063	PEMFC Gas Diffusion Media Degradation Determined by Acid-Base Titrations. <i>ECS Transactions</i> , 2013, 50, 521-529.	0.3	9
1064	CHAPTER 2. Activated Carbon from Biomass for Water Treatment. <i>RSC Green Chemistry</i> , 2013, , 46-105.	0.0	7
1065	Characteristics of Activated Carbon Modified with Nitric Acid and its Performance in Catalytic Ozonation of Acid Red 3R. <i>Advanced Materials Research</i> , 2013, 726-731, 1687-1690.	0.3	1
1066	Preparation and Characterization of Activated Carbons Based on Lignocellulosic Residues. <i>Advanced Materials Research</i> , 0, 856, 69-73.	0.3	4
1067	Mechanism of selective catalytic reduction of NO with NH ₃ over coal-based activated coke: The effects of surface chemical properties. , 2013, , .		0
1068	Characterization of Ladle Furnace Slag from Carbon Steel Production as a Potential Adsorbent. <i>Advances in Materials Science and Engineering</i> , 2013, 2013, 1-6.	1.0	70
1069	Optimization of Activated Carbons Prepared by H_3PO_4 Steam Activation of Oil Palm Shells. <i>Journal of Chemistry</i> , 2013, 2013, 1-10.	0.9	21

#	ARTICLE	IF	CITATIONS
1070	Effect of heat treatment on copper removal onto manure-compost-activated carbons. <i>Desalination and Water Treatment</i> , 2013, 51, 5608-5616.	1.0	4
1071	Impregnation of activated carbon by iron oxyhydroxide and its effect on arsenate removal. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1058-1066.	1.6	21
1072	Adsorption characteristics of silver ions onto activated carbon prepared from almond shell. <i>Desalination and Water Treatment</i> , 2013, 51, 2317-2326.	1.0	30
1073	Effects of ageing and incorporation of ion-exchange membrane on the electrosorption performance of activated carbon based electrodes modules. <i>Desalination and Water Treatment</i> , 2013, 51, 3489-3496.	1.0	14
1074	Catalytic Impact of Activated Carbon on the Formation of Nitrosamines from Different Amine Precursors. <i>ACS Symposium Series</i> , 2013, , 79-100.	0.5	3
1075	Electrooxidation Methods to Produce Pseudocapacitance-containing Porous Carbons. <i>Electrochemistry</i> , 2013, 81, 833-839.	0.6	16
1076	Modification of Activated Carbon by Means of Microwave Heating and Its Effects on the Pore Texture and Surface Chemistry. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2013, 5, 1791-1795.	0.1	11
1077	Obtenç�o e caracterizaç�o de carv�o ativado de caro�o de buriti (<i>Mauritia flexuosa</i> L. f.) para a avaliaç�o do processo de adsorç�o de cobre (II). <i>Acta Amazonica</i> , 2013, 43, 73-80.	0.3	10
1078	Metal and Precursor Effect during 1-Heptyne Selective Hydrogenation Using an Activated Carbon as Support. <i>Scientific World Journal, The</i> , 2013, 2013, 1-9.	0.8	7
1079	Modification of Activated Carbon by Means of Microwave Heating and its Effects on the Pore Texture and Surface Chemistry. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2013, 5, 1836-1840.	0.1	13
1080	The Modification of Carbon Black by Oxidation as a Means of Obtaining Various Types of Carbon Black. <i>International Polymer Science and Technology</i> , 2013, 40, 17-19.	0.1	0
1081	Carbon Catalyst from Corn Stover and its Application to Catalytic Microwave Pyrolysis. , 2013, , .		0
1082	Renewable phenols and fuel production from catalytic pyrolysis of lignin using microwave irradiation heating. , 2013, , .		0
1083	Characterization of Surface Functional Groups in Corn Stover Biochar Derived from Microwave-assisted Pyrolysis. , 2014, , .		0
1084	Wet oxidation of glycerol into fine organic acids: catalyst selection and kinetic evaluation. <i>Brazilian Journal of Chemical Engineering</i> , 2014, 31, 913-923.	0.7	17
1085	Effects of Different Solvents on the Surface Acidic Oxygen-containing Functional Groups on <i>Xanthoceras sorbifolia</i> Shell. <i>BioResources</i> , 2014, 9, .	0.5	2
1086	Organic Carbon Cycling and the Lithosphere. , 2014, , 239-249.		12
1087	Enhanced lead(II) binding properties of heat-treated cattle-manure-compost-activated carbons. <i>Desalination and Water Treatment</i> , 2014, 52, 6420-6429.	1.0	8

#	ARTICLE	IF	CITATIONS
1088	Activation of kaolin with minimum solvent consumption by microwave heating. <i>Clay Minerals</i> , 2014, 49, 667-681.	0.2	13
1089	Efficient adsorptive removal of Tetramethylammonium hydroxide (TMAH) from water using graphene oxide. <i>Separation and Purification Technology</i> , 2014, 133, 99-107.	3.9	37
1090	X-Ray Diffraction Analysis of Kraft Lignins and Lignin-Derived Carbon Nanofibers. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2014, 5, .	0.8	65
1091	Development of Semi-Static Steam Process for the Production of Sludge-Based Adsorbents. <i>Adsorption Science and Technology</i> , 2014, 32, 291-304.	1.5	0
1092	Spectroscopic Investigation of the Wettability of Multilayer Graphene Using Highly Ordered Pyrolytic Graphite as a Model Material. <i>Langmuir</i> , 2014, 30, 12827-12836.	1.6	81
1093	Thiophene Capture by an Oxidation-Modified Activated Carbon Derived from Bergamot. <i>Separation Science and Technology</i> , 2014, 49, 367-375.	1.3	15
1094	Structure-specific sorbent based on nanostructures for selective recognition of cimetidine from its structural analogues. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	5
1095	Microcolumn adsorption studies of acid/basic dyes related to the physicochemical properties of the adsorbent. <i>Coloration Technology</i> , 2014, 130, 62-72.	0.7	4
1096	Effect of dye auxiliaries on chemical oxygen demand and colour competitive removal from textile effluents using <i>Posidonia oceanica</i> . <i>Chemistry and Ecology</i> , 2014, 30, 579-588.	0.6	2
1097	Regeneration of 4-Chlorophenol Exhausted GAC with a Microwave Assisted Wet Peroxide Oxidation Process. <i>Separation Science and Technology</i> , 2014, 49, 68-73.	1.3	6
1098	Vertically Aligned Carbon Nanotubes/Carbon Fiber Composites for Electrochemical Applications. <i>Materials Science Forum</i> , 2014, 802, 192-196.	0.3	3
1099	Comparative Evaluation of Activated Carbons Prepared by Thermo-Chemical Activation of Lignocellulosic Residues Aiming at Phenol Removal. <i>Advanced Materials Research</i> , 2014, 1016, 309-314.	0.3	1
1100	Plutonium sorption to nanocast mesoporous carbon. <i>Radiochimica Acta</i> , 2014, 102, 489-504.	0.5	8
1101	15. Nanocarbon materials for heterogeneous catalysis. , 2014, , 393-428.		1
1102	Biochar Preparation, Characterization, and Adsorptive Capacity and Its Effect on Bioavailability of Contaminants: An Overview. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-12.	1.0	234
1103	9. Carbon-Carbon Composites. , 2014, , 255-272.		0
1104	Thermal conductivity of polypropylene-based composites with multiwall carbon nanotubes with different diameter and morphology. <i>Journal of Alloys and Compounds</i> , 2014, 586, S440-S442.	2.8	73
1105	Adsorption and cosorption of ciprofloxacin and Ni(II) on activated carbon-mechanism study. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 681-688.	2.7	97

#	ARTICLE	IF	CITATIONS
1106	Adsorption by Active Carbons. , 2014, , 321-391.		13
1107	Effect of Crop-Straw Derived Biochars on Pb(II) Adsorption in Two Variable Charge Soils. Journal of Integrative Agriculture, 2014, 13, 507-516.	1.7	26
1108	Photocatalytic degradation of phenol and isoproturon: Effect of adding an activated carbon to titania catalyst. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 287, 8-18.	2.0	35
1109	Rapid and economical synthesis of magnetic multiwalled carbon nanotube/iron oxide composite and its application in preconcentration of U(VI). Journal of Molecular Liquids, 2014, 195, 92-98.	2.3	20
1110	Bio-based phenols and fuel production from catalytic microwave pyrolysis of lignin by activated carbons. Bioresource Technology, 2014, 162, 142-147.	4.8	164
1111	Preparation of Enteromorpha prolifera-based cetyl trimethyl ammonium bromide-doped activated carbon and its application for nickel(II) removal. Ecotoxicology and Environmental Safety, 2014, 104, 254-262.	2.9	25
1112	On the adsorption mechanisms of diethylamine by medically-certified activated carbons: Investigation of critical parameters controlling sorption properties. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 1937-1946.	2.7	6
1113	Effects of humic acid on copper adsorption onto few-layer reduced graphene oxide and few-layer graphene oxide. Carbon, 2014, 75, 227-235.	5.4	79
1114	Polyaniline and polyaniline-carbon black nanostructures as electrochemical capacitor electrode materials. International Journal of Hydrogen Energy, 2014, 39, 8582-8589.	3.8	37
1115	The effects of Fe ²⁺ /Mn oxide and TiO ₂ /Al ₂ O ₃ on the formation of disinfection by-products in catalytic ozonation. Chemical Engineering Journal, 2014, 253, 84-92.	6.6	43
1116	Hydrogen production from CO ₂ reforming of methane over high pressure H ₂ O ₂ modified different semi-cokes. Journal of Industrial and Engineering Chemistry, 2014, 20, 2948-2957.	2.9	20
1117	Study of lead (II) adsorption onto activated carbon originating from cow bone. Journal of Cleaner Production, 2014, 65, 342-349.	4.6	198
1118	Biochar as a sorbent for contaminant management in soil and water: A review. Chemosphere, 2014, 99, 19-33.	4.2	3,175
1119	Synthesis of ZnCl ₂ -activated carbon from macadamia nut endocarp (<i>Macadamia integrifolia</i>) by microwave-assisted pyrolysis: Optimization using RSM and methylene blue adsorption. Journal of Analytical and Applied Pyrolysis, 2014, 105, 166-176.	2.6	123
1120	Effect of UV-C on pre-oxidation prior amination for preparation of a selective CO ₂ adsorbent. Journal of Analytical and Applied Pyrolysis, 2014, 105, 191-198.	2.6	10
1121	Studying different methods to determine the thermo kinetic constants in the adsorption of Pb ²⁺ on an activated carbon from Bois carré seeds. Journal of Environmental Chemical Engineering, 2014, 2, 788-795.	3.3	8
1122	Effect of architecture on the activity of glucose oxidase/horseradish peroxidase/carbon nanoparticle conjugates. Journal of Colloid and Interface Science, 2014, 414, 73-81.	5.0	33
1123	Humification characterization of biochar and its potential as a composting amendment. Journal of Environmental Sciences, 2014, 26, 390-397.	3.2	103

#	ARTICLE	IF	CITATIONS
1124	Removal of a cationic bisbiguanide using Functionalized Activated Carbons (FACs). <i>Chemical Engineering Research and Design</i> , 2014, 92, 957-972.	2.7	6
1125	Evidence of selective oxidation in surface layers of graphite-like thin sheets by mild oxidation. <i>Carbon</i> , 2014, 71, 70-75.	5.4	0
1126	The Genesis and Development of the Commercial BP Doubly Promoted Catalyst for Ammonia Synthesis. <i>Catalysis Letters</i> , 2014, 144, 545-552.	1.4	135
1127	Water sorption behavior in polyimide thin films controlled by inorganic additives. <i>Macromolecular Research</i> , 2014, 22, 431-435.	1.0	2
1128	Production Factors Controlling the Physical Characteristics of Biochar Derived from Phytoremediation Willow for Agricultural Applications. <i>Bioenergy Research</i> , 2014, 7, 371-380.	2.2	26
1129	Removal of uranium(VI) from aqueous solutions by new phosphorus-containing carbon spheres synthesized via one-step hydrothermal carbonization of glucose in the presence of phosphoric acid. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 299, 1479-1487.	0.7	32
1130	The contribution of functional groups in carbon nanotube electrodes to the electrochemical performance. <i>Electronic Materials Letters</i> , 2014, 10, 241-245.	1.0	11
1131	Adsorption of Pb(II) from aqueous solution using keratin waste "hide waste: Equilibrium, kinetic and thermodynamic modeling studies. <i>Chemical Engineering Journal</i> , 2014, 241, 393-400.	6.6	78
1132	Dehydration of fructose into furans over zeolite catalyst using carbon black as adsorbent. <i>Microporous and Mesoporous Materials</i> , 2014, 191, 10-17.	2.2	70
1133	Studying competitive sorption behavior of methylene blue and malachite green using multivariate calibration. <i>Chemical Engineering Journal</i> , 2014, 240, 554-564.	6.6	46
1134	Kinetics, thermodynamics and regeneration of molybdenum adsorption in aqueous solutions with NaOCl-oxidized multiwalled carbon nanotubes. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2521-2527.	2.9	41
1135	Immobilization of gamma globulins and polyclonal antibodies of class IgG onto carbon-encapsulated iron nanoparticles functionalized with various surface linkers. <i>Carbon</i> , 2014, 74, 180-194.	5.4	33
1136	Functionalized Carbon Nanoparticles, Blacks and Soots as Electron Transfer Building Blocks and Conduits. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1226-1241.	1.7	39
1137	Carbon as catalyst and support for electrochemical energy conversion. <i>Carbon</i> , 2014, 75, 5-42.	5.4	443
1138	Chemical surface modified activated carbon cloth for catalytic wet peroxide oxidation of phenol. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1182-1188.	1.6	21
1139	Stability of functionalized activated carbon in hot liquid water. <i>Carbon</i> , 2014, 77, 143-154.	5.4	60
1140	Study of SO ₂ oxidation over V ₂ O ₅ /activated carbon catalyst using in situ diffuse reflectance infrared Fourier transformation spectroscopy. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 794-800.	1.2	10
1141	Study of the Role of Surface Oxygen Functional Groups on Carbon Nanotubes in the Selective Oxidation of Acrolein. <i>ChemCatChem</i> , 2014, 6, 1553-1557.	1.8	24

#	ARTICLE	IF	CITATIONS
1142	Carbocatalysis by Graphene-Based Materials. <i>Chemical Reviews</i> , 2014, 114, 6179-6212.	23.0	595
1143	Oxygen Plasma Exfoliated Vertically-Aligned Carbon Nanotubes as Electrodes for Ultrasensitive Stripping Detection of Pb ²⁺ . <i>Journal of the Electrochemical Society</i> , 2014, 161, H321-H325.	1.3	12
1144	Influence of activation atmosphere used in the chemical activation of almond shell on the characteristics and adsorption performance of activated carbons. <i>Fuel Processing Technology</i> , 2014, 119, 74-80.	3.7	76
1145	Surface properties of CNTs and their interaction with silica. <i>Journal of Colloid and Interface Science</i> , 2014, 413, 43-53.	5.0	40
1146	Remediation of heavy metal(loid)s contaminated soils – To mobilize or to immobilize?. <i>Journal of Hazardous Materials</i> , 2014, 266, 141-166.	6.5	1,544
1147	Enhanced adsorption of chromium onto activated carbon by microwave-assisted H ₃ PO ₄ mixed with Fe/Al/Mn activation. <i>Journal of Hazardous Materials</i> , 2014, 265, 191-200.	6.5	103
1148	Effects of surface properties of activated carbon on the adsorption mechanism of copper cyanocomplexes. <i>Hydrometallurgy</i> , 2014, 142, 1-11.	1.8	23
1149	Method To Characterize Acid-Base Behavior of Biochar: Site Modeling and Theoretical Simulation. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2501-2509.	3.2	30
1150	Comparative study of multiwalled carbon nanotube/polyethylene composites produced via different techniques. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2437-2443.	0.7	21
1151	Enhanced boron adsorption using PVA-modified carbonaceous materials. <i>Composite Interfaces</i> , 2014, 21, 639-650.	1.3	7
1152	Adsorptive removal of humic acid on activated carbon prepared from almond shell: approach for the treatment of industrial phosphoric acid solution. <i>Desalination and Water Treatment</i> , 2014, 52, 2241-2252.	1.0	22
1153	Study on the Physical Chemistry, Equilibrium, and Kinetic Mechanism of Azure A Biosorption by <i>Zea Mays</i> Biomass. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 193-204.	1.3	10
1154	<i>Punica granatum</i> Shell Preparation, Characterization, and Use for Crystal Violet Removal from Aqueous Solution. <i>Clean - Soil, Air, Water</i> , 2014, 42, 939-946.	0.7	29
1155	Green and facile fabrication of silver nanoparticles loaded activated carbon fibers with long-lasting antibacterial activity. <i>RSC Advances</i> , 2014, 4, 523-530.	1.7	30
1156	Carbon particle induced foaming of molten sucrose for the preparation of carbon foams. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 189, 82-89.	1.7	30
1157	Characterization of Modified Biochars Derived from Bamboo Pyrolysis and Their Utilization for Target Component (Furfural) Adsorption. <i>Energy & Fuels</i> , 2014, 28, 5119-5127.	2.5	194
1158	Removal of malathion from polluted water by adsorption onto chemically activated carbons produced from coffee grounds. <i>Desalination and Water Treatment</i> , 2014, 52, 4920-4927.	1.0	13
1159	Solvent-free conversion of glycerol to solketal catalysed by activated carbons functionalised with acid groups. <i>Catalysis Science and Technology</i> , 2014, 4, 2293-2301.	2.1	67

#	ARTICLE	IF	CITATIONS
1160	Enhanced adsorption of carbon nanocomposites exhausted with 2,4-dichlorophenoxyacetic acid after regeneration by thermal oxidation and microwave irradiation. <i>Environmental Science: Nano</i> , 2014, 1, 113-116.	2.2	28
1161	A reformative oxidation strategy using high concentration nitric acid for enhancing the emission performance of graphene quantum dots. <i>RSC Advances</i> , 2014, 4, 47977-47981.	1.7	28
1162	The influence of modification of activated carbon on adsorption of Ni(II) and Cd(II). <i>Desalination and Water Treatment</i> , 2014, 52, 3979-3986.	1.0	4
1163	Preparation and characterization of charcoal from feathers and its application in trimethoprim adsorption. <i>Desalination and Water Treatment</i> , 2014, 52, 5401-5412.	1.0	15
1164	Investigation on Structural and Thermodynamic Characteristics of Perhydrous Bituminous Coal by Fourier Transform Infrared Spectroscopy and Thermogravimetry/Mass Spectrometry. <i>Energy & Fuels</i> , 2014, 28, 3024-3035.	2.5	60
1165	Iron removal from liquid effluents by olive stones on adsorption column: breakthrough curves. <i>Ecological Engineering</i> , 2014, 73, 270-275.	1.6	31
1166	Hydrothermal catalytic processing of saturated and unsaturated fatty acids to hydrocarbons with glycerol for in situ hydrogen production. <i>Green Chemistry</i> , 2014, 16, 1507.	4.6	98
1167	Evaluation of CO ₂ adsorption with eucalyptus wood based activated carbon modified by ammonia solution through heat treatment. <i>Chemical Engineering Journal</i> , 2014, 254, 503-513.	6.6	193
1168	Effective Composite Preparation between Graphite and Iron Particles by the Interfacial Mediation of Force-Activated Oxygen Atoms. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 16736-16753.	1.8	5
1169	Selective Allylic Oxidation of Cyclohexene Catalyzed by Nitrogen-Doped Carbon Nanotubes. <i>ACS Catalysis</i> , 2014, 4, 1617-1625.	5.5	143
1170	Elemental mercury adsorption on sulfur-impregnated porous carbon – A review. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 18-26.	1.2	66
1171	Preparation and application of coconut shell activated carbon immobilized palladium complexes. <i>Catalysis Science and Technology</i> , 2014, 4, 1055.	2.1	15
1172	The use of experimental design and response surface methodologies for the synthesis of chemically activated carbons produced from bamboo. <i>Fuel Processing Technology</i> , 2014, 127, 133-139.	3.7	24
1173	Antireflective films with Si-O-P linkages from aqueous colloidal silica: Preparation, formation mechanism and property. <i>Solar Energy Materials and Solar Cells</i> , 2014, 130, 71-82.	3.0	17
1174	Effects of surface chemical properties of activated coke on selective catalytic reduction of NO with NH ₃ over commercial coal-based activated coke. <i>International Journal of Mining Science and Technology</i> , 2014, 24, 471-475.	4.6	14
1175	Multiwalled carbon nanotubes as a sorbent material for the solid phase extraction of lead from urine and subsequent determination by electrothermal atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 101, 15-20.	1.5	12
1176	Carbon fiber surfaces and composite interphases. <i>Composites Science and Technology</i> , 2014, 102, 35-50.	3.8	585
1177	A differential scanning calorimetric (DSC) study on the characteristics and behavior of water in low-rank coals. <i>Fuel</i> , 2014, 135, 243-252.	3.4	71

#	ARTICLE	IF	CITATIONS
1178	Chemical Control of Graphene Architecture: Tailoring Shape and Properties. ACS Nano, 2014, 8, 9733-9754.	7.3	107
1179	Preparation and Characterization of Activated Carbons from Peanut Shell and Rice Bran and a Comparative Study for Cr(VI) Removal from Aqueous Solution. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	4
1180	Partial graphitization of activated carbon by surface acidification. Carbon, 2014, 79, 500-517.	5.4	32
1181	Preparation of carbon adsorbents from lignosulfonate by phosphoric acid activation for the adsorption of metal ions. Carbon, 2014, 80, 771-783.	5.4	151
1182	Adsorption Optimization of Lead (II) Using <i>Saccharum Bengalense</i> as a Non-Conventional Low Cost Biosorbent: Isotherm and Thermodynamics Modeling. International Journal of Phytoremediation, 2014, 16, 889-908.	1.7	25
1183	Elimination of anionic dye by using nanoporous carbon prepared from an industrial biowaste. Journal of Molecular Liquids, 2014, 194, 130-140.	2.3	61
1184	Removal of lead from aqueous solutions by adsorption with surface precipitation. Adsorption, 2014, 20, 689-700.	1.4	27
1185	Highly porous carbons with superior performance for CO ₂ capture through hydrogen-bonding interactions. RSC Advances, 2014, 4, 27414.	1.7	22
1186	Rapid Removal and Separation of Iron(II) and Manganese(II) from Micropolluted Water Using Magnetic Graphene Oxide. ACS Applied Materials & Interfaces, 2014, 6, 9871-9880.	4.0	72
1187	Activated carbon fiber cloth and CaCl ₂ composite sorbents for a water vapor sorption cooling system. Applied Thermal Engineering, 2014, 62, 690-696.	3.0	21
1188	Fabrication of polyimide composite films based on carbon black for high-temperature resistance. Polymer Composites, 2014, 35, 2214-2220.	2.3	17
1189	Carbon Nanotubes and Activated Carbons Supported Catalysts for Phenol in Situ Hydrogenation: Hydrophobic/Hydrophilic Effect. Industrial & Engineering Chemistry Research, 2014, 53, 2197-2203.	1.8	58
1190	Gram scale synthesis of green fluorescent water-soluble onion-like carbon nanoparticles from camphor and polystyrene foam. RSC Advances, 2014, 4, 5838.	1.7	63
1191	Enhancement of activity, selectivity and stability of CNTs-supported cobalt catalyst in Fischer-Tropsch via CNTs functionalization. Applied Catalysis A: General, 2014, 485, 133-142.	2.2	53
1192	Catalytic Oxidative Carbonylation over Cu ₂ O Nanoclusters Supported on Carbon Materials: The Role of the Carbon Support. ChemCatChem, 2014, 6, 2671-2679.	1.8	39
1193	Confining Pt nanoparticles in porous carbon structures for achieving durable electrochemical performance. Nanoscale, 2014, 6, 11863-11870.	2.8	25
1194	Electrochemical Regeneration of Cr(VI) Saturated Granular and Powder Activated Carbon: Comparison of Regeneration Efficiency. Industrial & Engineering Chemistry Research, 2014, 53, 13171-13179.	1.8	21
1195	Characterization of activated carbons from different sources and the simultaneous adsorption of Cu, Cr, and Zn from metallurgic effluent. Separation and Purification Technology, 2014, 122, 421-430.	3.9	24

#	ARTICLE	IF	CITATIONS
1196	Formosa papaya seed powder (FPSP): Preparation, characterization and application as an alternative adsorbent for the removal of crystal violet from aqueous phase. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 230-238.	3.3	128
1197	Comparative cytotoxicity studies of carbon-encapsulated iron nanoparticles in murine glioma cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 135-143.	2.5	20
1198	Small and wide angle X-ray studies of impregnated activated carbons. <i>Carbon</i> , 2014, 75, 420-431.	5.4	9
1199	Production and characterization of biochars from agricultural by-products for use in soil quality enhancement. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 108, 301-309.	2.6	117
1200	Supramolecular assembling of molecular ion-ligands on graphite-based solid materials directed to specific binding of metal ions. <i>Inorganica Chimica Acta</i> , 2014, 417, 208-221.	1.2	13
1201	Water as a potential molecular probe for functional groups on carbon surfaces. <i>Carbon</i> , 2014, 67, 72-78.	5.4	51
1202	Decolorisation of aqueous crystal violet solution by a new nanoporous carbon: Equilibrium and kinetic approach. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3375-3386.	2.9	48
1203	Ultrasound-assisted oxidation of dibenzothiophene with phosphotungstic acid supported on activated carbon. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 970-974.	3.8	42
1204	Activation of a Carbon Support Through a Two-Step Wet Oxidation and Highly Active Ruthenium-Activated Carbon Catalysts for the Hydrogenation of Benzene. <i>ChemCatChem</i> , 2014, 6, 572-579.	1.8	24
1205	Nitric acid modification of activated carbon produced from waste tea and adsorption of methylene blue and phenol. <i>Applied Surface Science</i> , 2014, 313, 352-359.	3.1	257
1206	Catalysis: An old but new challenge for graphene-based materials. <i>Chinese Journal of Catalysis</i> , 2014, 35, 792-797.	6.9	24
1207	Carbon mediated catalysis: A review on oxidative dehydrogenation. <i>Chinese Journal of Catalysis</i> , 2014, 35, 824-841.	6.9	78
1208	Pd nanoparticles prepared by grafting of Pd complexes on phenol-functionalized carbon supports for liquid phase catalytic applications. <i>Applied Catalysis A: General</i> , 2014, 474, 263-271.	2.2	12
1209	Effect of the surface chemical groups of activated carbons on their surface adsorptivity to aromatic adsorbates based on π - π interactions. <i>Materials Chemistry and Physics</i> , 2014, 143, 1489-1499.	2.0	25
1210	Alteration of Biochar Carbon Chemistry during Soil Incubations: SR-FTIR and NEXAFS Investigation. <i>Soil Science Society of America Journal</i> , 2014, 78, 1632-1640.	1.2	29
1211	Removal of humic acid from water through adsorption-ultrafiltration hybrid processes. <i>Desalination and Water Treatment</i> , 2014, 52, 7983-7992.	1.0	7
1212	- Carbon Material Supported Nanostructures in Catalysis. , 2015, , 172-197.		1
1214	Synthesis of Hydrophilic and Hydrophobic Carbon Nanoparticles from Benzene/Water Bilayer Solution with Femtosecond Laser Generated Plasma Filaments in Water. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 251-261.	2.0	17

#	ARTICLE	IF	CITATIONS
1215	Extraction of Fluoride from Polluted Waters Using Low-cost Active Carbon Derived from Stems of <i>Acalypha indica</i> Plant. <i>Asian Journal of Water, Environment and Pollution</i> , 2015, 12, 33-49.	0.4	18
1216	Assessment of various carbon-based adsorbents for separation of BTX from aqueous solution. <i>Water Science and Technology: Water Supply</i> , 2015, 15, 649-655.	1.0	1
1217	Production and Characterization of Biochar from Agricultural By-Products: Overview and Use of Cotton Biomass Residues. <i>SSSA Special Publication Series</i> , 0, , 63-86.	0.2	13
1218	The effects of activation temperature on physico-chemical characteristics of activated carbons derived from biomass wastes. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	3
1219	Theory of Water Desalination by Porous Electrodes with Immobile Chemical Charge. <i>Colloids and Interface Science Communications</i> , 2015, 9, 1-5.	2.0	119
1220	Effect of the Carbon Support on the Catalytic Activity of Rutheniumâ€Magnetite Catalysts for <i>Chloronitrobenzene Hydrogenation</i> . <i>ChemCatChem</i> , 2015, 7, 2971-2978.	1.8	20
1221	Electrochemical investigations of carbonâ€based conductive coatings for application as anodes in ICCP systems of reinforced concrete structures. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2015, 66, 627-634.	0.8	6
1222	Optimizing the production of activated carbon from fast pyrolysis char. <i>Technology</i> , 2015, 03, 104-113.	1.4	9
1223	Defluoridation of waters using low-cost HNO<SUB align="right">3 activated carbon derived from stems of <i>Senna Occidentalis</i> plant. <i>International Journal of Environmental Technology and Management</i> , 2015, 18, 420.	0.1	27
1224	Influence of Thermal Fiber Pretreatment on Microstructure and Mechanical Properties of C/Câ€SiC with Thermoplastic Polymerâ€Derived Matrices. <i>Advanced Engineering Materials</i> , 2015, 17, 1119-1126.	1.6	24
1225	Regeneration of hexamminecobalt(II) under the catalysis of activated carbon treated with K₂S₂O₈ solution. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 65-73.	1.3	1
1226	Adsorption of Pb(II) from Aqueous Solution on Oxidized Activated Carbon Fibers. <i>Journal of Fiber Science and Technology</i> , 2015, 71, 180-190.	0.0	4
1227	Spectrophotometric Investigation of the Interactions between Cationic (C.I. Basic Blue 9) and Anionic (C.I. Acid Blue 25) Dyes in Adsorption onto Extracted Cellulose from <i>Posidonia oceanica</i> . <i>Journal of Textile Science & Engineering</i> , 2015, 06, .	0.2	1
1228	Efficacy of Chicken Litter and Wood Biochars and Their Activated Counterparts in Heavy Metal Clean up from Wastewater. <i>Agriculture (Switzerland)</i> , 2015, 5, 806-825.	1.4	31
1229	Adsorption Studies of Cd (II) from Water by Acid Modified Multiwalled Carbon Nanotubes. <i>Journal of Nanomedicine & Nanotechnology</i> , 2015, 06, .	1.1	6
1231	Removal of Dimethyl Sulfide from Aqueous Solution Using Cost-Effective Modified Chicken Manure Biochar Produced from Slow Pyrolysis. <i>Sustainability</i> , 2015, 7, 15057-15072.	1.6	23
1232	Thermodynamic Study of Adsorption of Phenol, 4-Chlorophenol, and 4-Nitrophenol on Activated Carbon Obtained from <i>Eucalyptus</i> Seed. <i>Journal of Chemistry</i> , 2015, 2015, 1-12.	0.9	37
1233	Ozonation of p-Nitrophenol Adsorbed on Activated Carbon Fiber (ACF) and the Change of Textural and Chemical Characteristics of ACF. <i>Ozone: Science and Engineering</i> , 2015, 37, 178-185.	1.4	6

#	ARTICLE	IF	CITATIONS
1234	Aerobic oxidation of α -pinene catalyzed by carbon nanotubes. <i>Catalysis Science and Technology</i> , 2015, 5, 3935-3944.	2.1	32
1235	Accelerated Stress Testing by Rotating Disk Electrode for Carbon Corrosion in Fuel Cell Catalyst Supports. <i>Journal of the Electrochemical Society</i> , 2015, 162, F783-F788.	1.3	69
1236	Removal of organic sulfur compounds from diesel by adsorption on carbon materials. <i>Reviews in Chemical Engineering</i> , 2015, 31, .	2.3	34
1237	Variability within a single type of polyacrylonitrile-based graphite felt after thermal treatment. Part II: chemical properties. <i>Electrochimica Acta</i> , 2015, 173, 24-30.	2.6	32
1238	Adsorption of phenol and 2,4-dinitrophenol on activated carbons with surface modifications. <i>Microporous and Mesoporous Materials</i> , 2015, 209, 150-156.	2.2	35
1239	Sol-gel assisted synthesis of porous nano-crystalline CoFe_2O_4 composite and its application in the removal of brilliant blue-R from aqueous phase: An ecofriendly and economical approach. <i>Chemical Engineering Journal</i> , 2015, 279, 416-424.	6.6	49
1240	Adsorption and removal of tetracycline from water by petroleum coke-derived highly porous activated carbon. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1504-1512.	3.3	133
1241	Highly efficient performance of activated carbon impregnated with Ag, ZnO and Ag/ZnO nanoparticles as antimicrobial materials. <i>RSC Advances</i> , 2015, 5, 108034-108043.	1.7	40
1242	Phosphoric acid activated carbon as borderline and soft metal ions scavenger. <i>Green Chemistry Letters and Reviews</i> , 2015, 8, 9-20.	2.1	8
1243	Modified structure of graphene oxide by investigation of structure evolution. <i>Bulletin of Materials Science</i> , 2015, 38, 1717-1722.	0.8	18
1244	Surface Properties of Hyper-Cross-Linked Polymeric Resins Using Inverse Gas Chromatography: Effect of Post-Cross-Linking Solvents. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21404-21412.	1.5	10
1245	Production of sugarcane bagasse-based activated carbon for formaldehyde gas removal from potted plants exposure chamber. <i>Journal of the Air and Waste Management Association</i> , 2015, 65, 1413-1420.	0.9	37
1246	Effect of nitrogen- and sulfur-containing modifying additives on porous structure and sorption properties of carbon adsorbents. <i>Russian Journal of Applied Chemistry</i> , 2015, 88, 430-435.	0.1	4
1247	Sorption Properties of Carbonaceous Adsorbents Obtained by Pyrolysis and Activation of Pistachio Nut Shells. <i>Adsorption Science and Technology</i> , 2015, 33, 581-586.	1.5	17
1248	Bioadsorbent Hura Crepitans for the removal of phenol from solution. <i>Journal of Water Chemistry and Technology</i> , 2015, 37, 277-282.	0.2	1
1249	Synergistic Effect between Defect Sites and Functional Groups on the Hydrolysis of Cellulose over Activated Carbon. <i>ChemSusChem</i> , 2015, 8, 534-543.	3.6	76
1250	The Evolution Rule of Three-Dimensional Structures of Graphite During Oxidation. <i>Nano</i> , 2015, 10, 1550014.	0.5	4
1251	Equilibrium and kinetic studies of chromotrope 2R adsorption onto ordered mesoporous carbons modified with lanthanum. <i>Chemical Engineering Journal</i> , 2015, 270, 140-149.	6.6	37

#	ARTICLE	IF	CITATIONS
1252	Activated carbon fiber as heterogeneous catalyst of peroxymonosulfate activation for efficient degradation of Acid Orange 7 in aqueous solution. <i>Separation and Purification Technology</i> , 2015, 143, 19-26.	3.9	131
1253	Interactive effects of biochar ageing in soils related to feedstock, pyrolysis temperature, and historic charcoal production. <i>Geoderma</i> , 2015, 245-246, 56-64.	2.3	126
1254	Wettability of colloid-imprinted carbons by contact angle kinetics and water vapor sorption measurements. <i>Carbon</i> , 2015, 87, 44-60.	5.4	23
1255	Adsorptive removal of cadmium(II) ions from liquid phase using acid modified carbon-based adsorbents. <i>Journal of Molecular Liquids</i> , 2015, 204, 255-263.	2.3	202
1256	Clear manifestation of phonon anomaly in single-layer graphene by chemical <i>p</i> -type doping. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 015304.	1.3	3
1257	Removal of toluidine blue from aqueous solution using orange peel waste (OPW). <i>Desalination and Water Treatment</i> , 2015, 56, 2754-2765.	1.0	7
1258	Adsorption of phenol and methylene blue from aqueous solutions by pyrolytic tire char: Equilibrium and kinetic studies. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 574-582.	3.3	71
1259	Adsorptive removal of benzothiophene from model fuel, using modified activated carbons, in presence of diethylether. <i>Fuel</i> , 2015, 145, 249-255.	3.4	43
1260	Removal of tartrazine from aqueous solution by carbon nanotubes decorated with silver nanoparticles. <i>Catalysis Today</i> , 2015, 249, 259-264.	2.2	57
1261	A novel chitosan functional gel included with multiwall carbon nanotube and substituted polyaniline as adsorbent for efficient removal of chromium ion. <i>Chemical Engineering Journal</i> , 2015, 267, 51-64.	6.6	123
1262	Characterisation, stability, and microbial effects of four biochars produced from crop residues. <i>Geoderma</i> , 2015, 239-240, 293-303.	2.3	122
1263	Solid olive waste in environmental cleanup: Enhanced nitrite ion removal by ZnCl ₂ -activated carbon. <i>Journal of Environmental Management</i> , 2015, 152, 27-35.	3.8	26
1264	Adsorption of Reactive Black-5 by Pine Needles Biochar Produced Via Catalytic and Non-catalytic Pyrolysis. <i>Arabian Journal for Science and Engineering</i> , 2015, 40, 1269-1278.	1.1	25
1265	Adsorption of dye crystal violet onto surface-modified <i>Eichhornia crassipes</i> . <i>Desalination and Water Treatment</i> , 2015, 53, 1957-1969.	1.0	14
1266	Graphene-Based Carbon Nanoparticles for Bioimaging Applications. , 2015, , 57-84.		2
1267	On the nature of oxygen groups for NH ₃ -SCR of NO over carbon at low temperatures. <i>Chemical Engineering Journal</i> , 2015, 270, 41-49.	6.6	89
1268	Surface Chemistry of Nanostructured Carbon Materials and Preparation of Nanocarbon Supported Catalysts. <i>RSC Catalysis Series</i> , 2015, , 163-222.	0.1	3
1269	New low-cost nanoporous carbonaceous adsorbent developed from carob (<i>Ceratonia siliqua</i>) processing industry waste for the adsorption of anionic textile dye: Characterization, equilibrium and kinetic modeling. <i>Journal of Molecular Liquids</i> , 2015, 206, 244-255.	2.3	69

#	ARTICLE	IF	CITATIONS
1270	Synthesis of ruthenium catalysts functionalized graphene oxide for self-healing applications. <i>Polymer</i> , 2015, 69, 330-342.	1.8	33
1271	Tuning the Pore Structure and Surface Properties of Carbon-Based Acid Catalysts for Liquid-Phase Reactions. <i>ACS Catalysis</i> , 2015, 5, 4951-4958.	5.5	70
1272	Carbon black retention in saturated natural soils: Effects of flow conditions, soil surface roughness and soil organic matter. <i>Environmental Pollution</i> , 2015, 205, 131-138.	3.7	13
1273	Cr total removal in aqueous solution by PHENOTAN AP based tannin gel (TFC). <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 725-733.	3.3	26
1274	Influence of Environmental Conditions on Carbon Black Oxidation by Reactive Oxygen Intermediates. <i>Procedia Engineering</i> , 2015, 113, 43-50.	1.2	20
1275	Preparation and characterization of a novel graphene/biochar composite for aqueous phenanthrene and mercury removal. <i>Bioresource Technology</i> , 2015, 196, 355-363.	4.8	256
1276	Hydrolysis of Cellobiose over Selective and Stable Sulfonated Activated Carbon Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1934-1942.	3.2	39
1277	Biochar of corn stover: Microwave-assisted pyrolysis condition induced changes in surface functional groups and characteristics. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 115, 149-156.	2.6	102
1278	Comparative study of surface modified carbonized <i>Eichhornia crassipes</i> for adsorption of dye safranin. <i>Separation Science and Technology</i> , 0, , 150629133342008.	1.3	5
1279	Effect of oxidative modification of activated carbon for the adsorption behavior of nicotine. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 31, 112-117.	2.9	25
1280	Thermochemical conversion of lignin to functional materials: a review and future directions. <i>Green Chemistry</i> , 2015, 17, 4888-4907.	4.6	437
1281	Humic acid as promising organic anodes for lithium/sodium ion batteries. <i>Chemical Communications</i> , 2015, 51, 14708-14711.	2.2	83
1282	Enhancing the performance of lead acid batteries with carbon In pursuit of an understanding. <i>Journal of Power Sources</i> , 2015, 295, 268-274.	4.0	88
1283	Comparative Study of Agroindustrial Wastes for their use in Polymer Matrix Composites. , 2015, 8, 778-785.		25
1284	Removal of Heavy Metals by Adsorption onto Activated Carbon Derived from Pine Cones of <i>Pinus roxburghii</i> . <i>Water Environment Research</i> , 2015, 87, 291-297.	1.3	15
1285	Surface modification of soft-templated ordered mesoporous carbon for electrochemical supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2015, 217, 141-149.	2.2	50
1286	Oxidation of styrene to benzaldehyde by p-toluenesulfonic acid using hydrogen peroxide in the presence of activated carbon. <i>Chinese Journal of Catalysis</i> , 2015, 36, 721-727.	6.9	14
1287	Buriti palm stem as a potential renewable source for activated carbon production. <i>Environmental Technology and Innovation</i> , 2015, 3, 28-34.	3.0	17

#	ARTICLE	IF	CITATIONS
1288	Bio-char derived from sewage sludge by liquefaction: Characterization and application for dye adsorption. <i>Applied Surface Science</i> , 2015, 346, 223-231.	3.1	171
1289	Surface characterization of rice husk bio-char produced by liquefaction and application for cationic dye (Malachite green) adsorption. <i>Fuel</i> , 2015, 155, 77-85.	3.4	262
1290	Carbon surface functionalities and SEI formation during Li intercalation. <i>Carbon</i> , 2015, 92, 193-244.	5.4	97
1291	Role of tailored surface of activated carbon for adsorption of ionic liquids for environmental remediation. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 2711-2722.	1.8	13
1292	Combined removal of a BTEX, TCE, and cis-DCE mixture using <i>Pseudomonas</i> sp. immobilized on scrap tyres. <i>Environmental Science and Pollution Research</i> , 2015, 22, 14043-14049.	2.7	20
1293	Ozonation of Cyanide Catalyzed by Activated Carbon. <i>Ozone: Science and Engineering</i> , 2015, 37, 240-251.	1.4	7
1294	Removal of fluoride from polluted waters using active carbon derived from barks of <i>Vitex negundo</i> plant. <i>Journal of Analytical Science and Technology</i> , 2015, 6, .	1.0	77
1295	Review of recent development in Co-based catalysts supported on carbon materials for Fischer-Tropsch synthesis. <i>Chemical Engineering Science</i> , 2015, 135, 3-20.	1.9	138
1296	Gold loaded titanium dioxide-carbon nanotube composites as active photocatalysts for cyclohexane oxidation at ambient conditions. <i>RSC Advances</i> , 2015, 5, 46405-46414.	1.7	21
1297	Surface modification of activated carbon for siloxane adsorption. <i>Renewable Energy</i> , 2015, 83, 144-150.	4.3	40
1298	Influence of char composition and inorganics on catalytic activity of char from biomass gasification. <i>Fuel</i> , 2015, 157, 37-47.	3.4	115
1299	Use of wheat straw for effective binding of metal ions via a novel modification. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 1818-1826.	1.2	5
1300	Influence of the Surface Structure of Graphene Oxide on the Adsorption of Aromatic Organic Compounds from Water. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6690-6697.	4.0	125
1301	Carbon nanotube catalysts: recent advances in synthesis, characterization and applications. <i>Chemical Society Reviews</i> , 2015, 44, 3295-3346.	18.7	586
1302	Adsorption of naphthalene from aqueous solution on coal-based activated carbon modified by microwave induction: Microwave power effects. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015, 91, 67-77.	1.8	90
1303	Mechanisms of trichloramine removal with activated carbon: Stoichiometric analysis with isotopically labeled trichloramine and theoretical analysis with a diffusion-reaction model. <i>Water Research</i> , 2015, 68, 839-848.	5.3	9
1304	Liquid phase hydrogenation of nitrobenzene. <i>Applied Catalysis A: General</i> , 2015, 499, 66-76.	2.2	74
1305	Using activated carbon prepared from <i>Typha orientalis</i> Presl to remove phenol from aqueous solutions. <i>Ecological Engineering</i> , 2015, 84, 209-217.	1.6	41

#	ARTICLE	IF	CITATIONS
1306	Ordered mesoporous carbons modified with cerium as effective adsorbents for azo dyes removal. Separation and Purification Technology, 2015, 154, 236-245.	3.9	62
1307	Rechargeable PEM Fuel-Cell Batteries Using Porous Carbon Modified with Carbonyl Groups as Anode Materials. Journal of the Electrochemical Society, 2015, 162, F868-F877.	1.3	21
1308	Adsorption isotherms and kinetics of activated carbons produced from coals of different ranks. Water Science and Technology, 2015, 71, 1189-1195.	1.2	6
1309	Characterization of biochars produced from seven biomasses grown in three different climate zones. Diqiu Huaxue, 2015, 34, 592-600.	0.5	26
1310	Dendrimer confined Pt nanoparticles: electro-catalytic activity towards the oxygen reduction reaction and its application in polymer electrolyte membrane fuel cells. RSC Advances, 2015, 5, 75218-75228.	1.7	23
1311	Adsorption of dyes by ACs prepared from waste tyre reinforcing fibre. Effect of texture, surface chemistry and pH. Journal of Colloid and Interface Science, 2015, 459, 189-198.	5.0	35
1312	Production and characterization of absorbent heat from the bark of residual Brazil nut bark (Bertholletia Excelsa l.). Chemistry Central Journal, 2015, 9, 36.	2.6	4
1313	The use of an agricultural waste material from Ziziphus jujuba as a novel adsorbent for humic acid removal from aqueous solutions. Journal of Molecular Liquids, 2015, 211, 1039-1046.	2.3	27
1314	Graphene Oxide: A Convenient Metal-Free Carbocatalyst for Facilitating Aerobic Oxidation of 5-Hydroxymethylfurfural into 2, 5-Diformylfuran. ACS Catalysis, 2015, 5, 5636-5646.	5.5	154
1315	Rice Straw-Derived Biochar Properties and Functions as Cu(II) and Cyromazine Sorbents as Influenced by Pyrolysis Temperature. Pedosphere, 2015, 25, 781-789.	2.1	41
1316	Role of the surface chemistry of activated carbons in dye removal from aqueous solution. International Journal of Minerals, Metallurgy and Materials, 2015, 22, 770-776.	2.4	6
1317	Stable carbon compounds in soils: Their origin and functions. Eurasian Soil Science, 2015, 48, 997-1008.	0.5	34
1318	Comparative evaluation of natural and acid-modified layered mineral materials as rimifon-carriers using UV/VIS, FTIR, and equilibrium sorption study. Cogent Chemistry, 2015, 1, 1069723.	2.5	4
1319	Anion exchange capacity of biochar. Green Chemistry, 2015, 17, 4628-4636.	4.6	160
1320	Investigation of Adsorption Characteristics of Sodium Lignosulfonate on the Surface of Disperse Dye Using a Quartz Crystal Microbalance with Dissipation. Industrial & Engineering Chemistry Research, 2015, 54, 12313-12319.	1.8	23
1321	Study of adsorption of methylene blue onto activated carbon from lignite. Surface Engineering and Applied Electrochemistry, 2015, 51, 427-433.	0.3	13
1322	Biochar production from date palm waste: Charring temperature induced changes in composition and surface chemistry. Journal of Analytical and Applied Pyrolysis, 2015, 115, 392-400.	2.6	230
1323	Preparation and Analysis of Cyclodextrin-Based Metal-Organic Frameworks: Laboratory Experiments Adaptable for High School through Advanced Undergraduate Students. Journal of Chemical Education, 2015, 92, 368-372.	1.1	38

#	ARTICLE	IF	CITATIONS
1324	Influence study of oxygen in the flue gas on physical and chemical properties of activated carbon under microwave irradiation. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1312-1319.	3.3	4
1325	Development and physicochemical characterization of a new magnetic nanocomposite as an economic antibiotic remover. <i>Chemical Engineering Research and Design</i> , 2015, 94, 441-451.	2.7	26
1326	Neural Network Modeling of Heavy Metal Sorption on Lignocellulosic Biomasses: Effect of Metallic Ion Properties and Sorbent Characteristics. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 443-453.	1.8	24
1327	Activated carbon prepared by physical activation of olive stones for the removal of NO ₂ at ambient temperature. <i>Comptes Rendus Chimie</i> , 2015, 18, 63-74.	0.2	103
1328	Removal of 1,2-dichlorobenzene from water emulsion using adsorbent catalysts and its regeneration. <i>Journal of Hazardous Materials</i> , 2015, 285, 84-93.	6.5	18
1329	Comparisons of kinetics, thermodynamics and regeneration of tetramethylammonium hydroxide adsorption in aqueous solution with graphene oxide, zeolite and activated carbon. <i>Applied Surface Science</i> , 2015, 326, 187-194.	3.1	24
1330	Kinetics and equilibrium studies on removal of methylene blue and methyl orange by adsorption onto activated carbon prepared from date pits-A comparative study. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 274-283.	1.2	114
1331	Reversible Aluminum Ion Intercalation in Prussian Blue Analogs and Demonstration of a High Power Aluminum Ion Asymmetric Capacitor. <i>Advanced Energy Materials</i> , 2015, 5, 1401-1410.	10.2	142
1332	Nitration and reduction route to surface groups of mesoporous carbons obtained from sucrose and phloroglucinol/formaldehyde precursors. <i>Materials Chemistry and Physics</i> , 2015, 149-150, 539-552.	2.0	9
1333	Removal of thorium(IV) from aqueous solutions by carboxyl-rich hydrothermal carbon spheres through low-temperature heat treatment in air. <i>Desalination and Water Treatment</i> , 2015, 54, 2516-2529.	1.0	8
1334	Modification of surface behaviour of <i>Eichhornia crassipes</i> using surface active agent: An adsorption study. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 189-197.	2.9	22
1335	The adsorption of pharmaceutically active compounds from aqueous solutions onto activated carbons. <i>Journal of Hazardous Materials</i> , 2015, 282, 141-149.	6.5	157
1336	Emerging applications of graphene and its derivatives in carbon capture and conversion: Current status and future prospects. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 1515-1545.	8.2	58
1337	Dibenzothiophene oxidation in a model diesel fuel using CuO/GC catalysts and H ₂ O ₂ in the presence of acetic acid under acidic condition. <i>Fuel</i> , 2015, 149, 15-25.	3.4	37
1338	Mobilization of phosphate in variable-charge soils amended with biochars derived from crop straws. <i>Soil and Tillage Research</i> , 2015, 146, 139-147.	2.6	91
1339	Physical and chemical changes of coal during catalytic fluidized bed gasification. <i>Fuel Processing Technology</i> , 2015, 130, 292-298.	3.7	29
1340	Characterization of oxygen functional groups on carbon surfaces with water and methanol adsorption. <i>Carbon</i> , 2015, 81, 447-457.	5.4	52
1341	Adsorption of anionic MO or cationic MB from MO/MB mixture using polyacrylonitrile fiber hydrothermally treated with hyperbranched polyethylenimine. <i>Journal of Hazardous Materials</i> , 2015, 283, 321-328.	6.5	132

#	ARTICLE	IF	CITATIONS
1342	Modeling the influence of the operating conditions upon the sorption rate and the yield in the adsorption of lead(II). <i>Microporous and Mesoporous Materials</i> , 2015, 202, 147-154.	2.2	8
1343	Adsorptive removal of dye crystal violet onto low-cost carbon produced from Eichhornia plant: kinetic, equilibrium, and thermodynamic studies. <i>Desalination and Water Treatment</i> , 2015, 53, 543-556.	1.0	30
1344	Characteristics and Applications of Biochar for Environmental Remediation: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 939-969.	6.6	362
1345	Anchorage of anthraquinone molecules onto activated carbon fibers to enhance the reduction of 4-nitrophenol. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1685-1691.	1.6	15
1346	Characterization and application of bio-chars from liquefaction of microalgae, lignocellulosic biomass and sewage sludge. <i>Fuel Processing Technology</i> , 2015, 129, 8-14.	3.7	122
1347	Temperature dependence of the electrical conductivity of activated carbons prepared from vine shoots by physical and chemical activation methods. <i>Microporous and Mesoporous Materials</i> , 2015, 209, 90-98.	2.2	44
1348	Removal of tetracycline by NaOH-activated carbon produced from macadamia nut shells: Kinetic and equilibrium studies. <i>Chemical Engineering Journal</i> , 2015, 260, 291-299.	6.6	570
1349	Removal of elemental mercury from gas stream using sulfur-functionalized silica microspheres (S-SMs). <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 39-47.	2.1	10
1350	Effect of carbon-silica dual phase filler obtained by impregnation method on the properties of SBR-based composites. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2016, 230, 116-120.	0.7	4
1351	Equilibrium studies, kinetics and thermodynamics of anion removal by adsorption. <i>World Review of Science, Technology and Sustainable Development</i> , 2016, 12, 193.	0.3	2
1352	Modification of Activated Carbon Using Microwave Radiation and Its Effects on the Adsorption of SO ₂ . <i>Journal of Chemical Engineering of Japan</i> , 2016, 49, 52-59.	0.3	11
1353	Removal of Fluoride using Quaternized Palm Kernel Shell as Adsorbents: Equilibrium Isotherms and Kinetics Studies. <i>BioResources</i> , 2016, 11, .	0.5	10
1354	Pd-Impregnated activated carbon and treatment acid to remove sulfur and nitrogen from diesel. <i>Revista Materia</i> , 2016, 21, 407-415.	0.1	9
1355	Applicability of FT-IR Techniques and Goniometry on Characterization of Carbon Fiber Surfaces. <i>Journal of Aerospace Technology and Management</i> , 2016, 8, 26-32.	0.3	14
1356	Produção, caracterizaç�o e avaliaç�o da capacidade adsortiva de carv�es ativado em forma de briquete. <i>Revista Materia</i> , 2016, 21, 930-942.	0.1	5
1357	Effects of Biochar Amendment on Chloropicrin Adsorption and Degradation in Soil. <i>Energies</i> , 2016, 9, 869.	1.6	7
1358	CARACTERIZACI�N TEXTURAL Y QU�MICA DE CARBONES ACTIVADOS PREPARADOS A PARTIR DE CUESCO DE PALMA AFRICANA (ELAEIS GUINEENSIS) POR ACTIVACI�N QU�MICA CON CaCl ₂ y MgCl ₂ . <i>Revista Colombiana De Quimica</i> , 2016, 44, 18-24.	0.2	4
1359	Influence of Inert and Oxidizing Atmospheres on the Physical and Optical Properties of Luminescent Carbon Dots Prepared through Pyrolysis of a Model Molecule. <i>Chemistry - A European Journal</i> , 2016, 22, 4556-4563.	1.7	12

#	ARTICLE	IF	CITATIONS
1360	Sorption of Lead(II) Ions on Natural Coals and Activated Carbon: Mechanistic, Kinetic, and Thermodynamic Aspects. <i>Energy & Fuels</i> , 2016, 30, 5846-5853.	2.5	9
1361	The role of beaded activated carbon's surface oxygen groups on irreversible adsorption of organic vapors. <i>Journal of Hazardous Materials</i> , 2016, 317, 284-294.	6.5	40
1362	Effect of Carbon-Based Materials on the Early Hydration of Tricalcium Silicate. <i>Journal of the American Ceramic Society</i> , 2016, 99, 2181-2196.	1.9	26
1363	Kinetically driven switching and memory phenomena at the interface between a proton-conductive electrolyte and a titanium electrode. <i>Scientific Reports</i> , 2016, 6, 31691.	1.6	4
1365	Vacuum pyrolysed biochar for soil amendment. <i>Resource-efficient Technologies</i> , 2016, 2, S177-S185.	0.1	28
1366	Asymmetric hydration structure around calcium ion restricted in micropores fabricated in activated carbons. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 464003.	0.7	4
1367	Synthesis and performance of palladium-based electrocatalysts in alkaline direct ethanol fuel cell. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 6457-6468.	3.8	56
1368	Rechargeable Metal-Air Proton-Exchange Membrane Batteries for Renewable Energy Storage. <i>ChemElectroChem</i> , 2016, 3, 247-255.	1.7	15
1369	Adsorption kinetic and mechanism studies of thorium on nitric acid oxidized activated carbon. <i>Desalination and Water Treatment</i> , 2016, 57, 28313-28322.	1.0	18
1370	Pb(II) adsorption by biomass from chemically modified aquatic macrophytes, <i>Salvinia</i> sp. and <i>Pistia stratiotes</i> . <i>Water Science and Technology</i> , 2016, 73, 2670-2679.	1.2	8
1371	The role of beaded activated carbon's pore size distribution on heel formation during cyclic adsorption/desorption of organic vapors. <i>Journal of Hazardous Materials</i> , 2016, 315, 42-51.	6.5	72
1372	Preparation, characterization and application of polystyrene based activated carbons for Ni(II) removal from aqueous solution. <i>Fuel Processing Technology</i> , 2016, 149, 75-85.	3.7	41
1373	Experimental Information on the Adsorbed Phase of Water Formed in the Inner Pore of Single-Walled Carbon Nanotube Itself. <i>Langmuir</i> , 2016, 32, 1058-1064.	1.6	8
1374	The adsorption of uranium (VI) onto colloidal TiO ₂ , SiO ₂ and carbon black. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 499, 156-162.	2.3	29
1375	Kinetics, equilibrium and thermodynamics studies of Pb ²⁺ adsorption onto new activated carbon prepared from Persian mesquite grain. <i>Journal of Molecular Liquids</i> , 2016, 219, 482-492.	2.3	44
1376	Removal of NO ₂ by carbonaceous adsorbents obtained from residue after supercritical extraction of marigold. <i>Adsorption</i> , 2016, 22, 465-471.	1.4	11
1377	Thermal analysis of activated carbon obtained from residue after supercritical extraction of hops. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 125, 1199-1204.	2.0	57
1378	Synthesis of activated carbon/polyaniline nanocomposites for enhanced CO ₂ adsorption. <i>RSC Advances</i> , 2016, 6, 35692-35704.	1.7	62

#	ARTICLE	IF	CITATIONS
1379	Quantitative determination of acidic groups in functionalized graphene by direct titration. <i>Reactive and Functional Polymers</i> , 2016, 103, 44-53.	2.0	24
1380	New functionalised polymeric microspheres for multicomponent solid phase extraction of phenolic compounds. <i>Adsorption</i> , 2016, 22, 653-662.	1.4	10
1381	Removal of astrazon blue dye from aqueous media by a low-cost adsorbent from coal mining. <i>Desalination and Water Treatment</i> , 2016, 57, 27213-27225.	1.0	2
1382	Surface Modification of Naturally Available Biomass for Enhancement of Heavy Metal Removal Efficiency, Upscaling Prospects, and Management Aspects of Spent Biosorbents: A Review. <i>Applied Biochemistry and Biotechnology</i> , 2016, 180, 41-78.	1.4	66
1383	Role of surface chemistry in modified ACF (activated carbon fiber)-catalyzed peroxymonosulfate oxidation. <i>Applied Surface Science</i> , 2016, 383, 142-150.	3.1	89
1384	A new dispersing method on silica fume and its influence on the performance of cement-based materials. <i>Construction and Building Materials</i> , 2016, 115, 716-726.	3.2	49
1385	Ultrasonic twin screw compounding of polypropylene with carbon nanotubes, graphene nanoplates and carbon black. <i>European Polymer Journal</i> , 2016, 80, 16-39.	2.6	50
1386	Giombo persimmon seed (GPS) an alternative adsorbent for the removal Toluidine Blue dye from aqueous solutions. <i>Desalination and Water Treatment</i> , 2016, 57, 28474-28485.	1.0	20
1387	Highly selective acetalization of glycerol with acetone to solketal over acidic carbon-based catalysts from biodiesel waste. <i>Fuel</i> , 2016, 181, 46-54.	3.4	80
1388	Production, characterization and evaluation of biochar from pod (<i>Pisum sativum</i>), leaf (<i>Brassica</i>) Tj ETQq1 1 0.784314 rgBT /Overlock Agriculture, 2016, 5, 43-53.	2.0	142
1389	Immobilization of heavy metals in electroplating sludge by biochar and iron sulfide. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14472-14488.	2.7	61
1390	Removal of lead(II) from water using activated carbon developed from jujube stones, a low-cost sorbent. <i>Separation Science and Technology</i> , 2016, 51, 1645-1653.	1.3	23
1391	Ultra-high Rhodamine B adsorption capacities from an aqueous solution by activated carbon derived from <i>Phragmites australis</i> doped with organic acid by phosphoric acid activation. <i>RSC Advances</i> , 2016, 6, 40818-40827.	1.7	38
1392	Design of a Rechargeable Fuel-Cell Battery with Enhanced Performance and Cyclability. <i>Journal of the Electrochemical Society</i> , 2016, 163, A1420-A1428.	1.3	7
1393	Effects of feedstock type and pyrolysis temperature on potential applications of biochar. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 120, 200-206.	2.6	273
1394	Synthesis of high surface area carbon adsorbents prepared from pine sawdust- <i>Onopordum acanthium</i> L. for nonsteroidal anti-inflammatory drugs adsorption. <i>Journal of Environmental Management</i> , 2016, 183, 294-305.	3.8	56
1395	Removal of methylene blue by mesoporous CMK-3: Kinetics, isotherms and thermodynamics. <i>Journal of Molecular Liquids</i> , 2016, 223, 763-770.	2.3	54
1396	Quantitative relationships between the adsorptivity of carbonaceous materials in soil for Pb(II) and soil organic matter content. <i>Science of the Total Environment</i> , 2016, 572, 369-378.	3.9	8

#	ARTICLE	IF	CITATIONS
1397	A Model for the pH-Dependent Selectivity of the Oxygen Reduction Reaction Electrocatalyzed by N-Doped Graphitic Carbon. <i>Journal of the American Chemical Society</i> , 2016, 138, 13923-13929.	6.6	88
1398	Bamboo (<i>Acidosasa edulis</i>) shoot shell biochar: Its potential isolation and mechanism to perrenenate as a chemical surrogate for pertechnetate. <i>Journal of Environmental Radioactivity</i> , 2016, 165, 39-46.	0.9	28
1399	Impacts of absorption and desorption of biochar to ammonium in soil clay. , 2016, , .		0
1400	Cesium adsorption from aqueous solutions onto Japanese oak charcoal III: effects of water-extraction treatment. <i>Journal of Wood Science</i> , 2016, 62, 562-566.	0.9	11
1401	Adsorption-enhanced hydrolysis of glucan oligomers into glucose over sulfonated three-dimensionally ordered mesoporous carbon catalysts. <i>Green Chemistry</i> , 2016, 18, 6637-6647.	4.6	25
1402	Heat dissipation properties of polyimide nanocomposite films. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 3245-3250.	1.2	10
1403	Chromatographic behaviour of synthetic high pressure high temperature diamond in aqueous normal phase chromatography. <i>Journal of Chromatography A</i> , 2016, 1470, 59-69.	1.8	10
1404	Lead biosorption onto coffee grounds: Comparative analysis of several optimization techniques using equilibrium adsorption models and ANN. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 68, 201-210.	2.7	39
1405	Effects of volatile "char interactions on char during pyrolysis of rice husk at mild temperatures. <i>Bioresource Technology</i> , 2016, 219, 702-709.	4.8	24
1406	Nanoporous Carbon Fibrous Materials. , 2016, , 487-503.		1
1407	Comparative adsorption evaluation of biochars from paper mill sludge with commercial activated carbon for the removal of fish anaesthetics from water in Recirculating Aquaculture Systems. <i>Aquacultural Engineering</i> , 2016, 74, 76-83.	1.4	27
1408	Environmentally Friendly Supercapacitors. , 2016, , 351-492.		7
1409	Role of coal characteristics in the electrochemical behaviour of hybrid direct carbon fuel cells. <i>Energy and Environmental Science</i> , 2016, 9, 2868-2880.	15.6	46
1410	Influence of morphological and chemical features of biochar on hydrogen peroxide activation: implications on sulfamethazine degradation. <i>RSC Advances</i> , 2016, 6, 73186-73196.	1.7	98
1411	Nanoporous Carbons: Looking Beyond Their Perception as Adsorbents, Catalyst Supports and Supercapacitors. <i>Chemical Record</i> , 2016, 16, 205-218.	2.9	22
1412	Titration Method for the Identification of Surface Functional Groups. , 2016, , 273-286.		7
1413	The Effect of Functional Groups of Carbon Black on Rubber Properties. <i>Procedia Engineering</i> , 2016, 152, 563-569.	1.2	28
1414	Biochar prepared from castor oil cake at different temperatures: A voltammetric study applied for Pb ²⁺ , Cd ²⁺ and Cu ²⁺ ions preconcentration. <i>Journal of Hazardous Materials</i> , 2016, 318, 526-532.	6.5	66

#	ARTICLE	IF	CITATIONS
1415	Formation and composition of adsorbates on hydrophobic carbon surfaces from aqueous laccase-maltodextrin mixture suspension. <i>Applied Surface Science</i> , 2016, 385, 216-224.	3.1	9
1416	Gravimetric/volumetric capacitances, leakage current, and gas evolution of activated carbon supercapacitors. <i>Electrochimica Acta</i> , 2016, 222, 1153-1159.	2.6	32
1417	The Roles of Sulfur-Containing Species in the Selective Catalytic Reduction of NO with NH ₃ over Activated Carbon. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 12341-12349.	1.8	15
1418	Nitrogen-doped carbon nanotubes as efficient catalysts for isobutane dehydrogenation. <i>Catalysis Science and Technology</i> , 2016, 6, 8562-8570.	2.1	18
1419	Carbon oxidation and its influence on self-discharge in aqueous electrochemical capacitors. <i>Carbon</i> , 2016, 110, 232-242.	5.4	51
1420	Zeolite-Templated Carbon Catalysts for Adsorption and Hydrolysis of Cellulose-Derived Long-Chain Glucans: Effect of Post-Synthetic Surface Functionalization. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6844-6851.	3.2	25
1421	High yield polyol synthesis of round- and sharp-end silver nanowires with high aspect ratio. <i>Materials Chemistry and Physics</i> , 2016, 184, 130-137.	2.0	32
1422	The adsorption mechanism of elemental mercury by HNO ₃ -modified bamboo char. <i>Fuel Processing Technology</i> , 2016, 154, 139-146.	3.7	47
1423	Activated Carbon Bio-xerogels as Electrodes for Super Capacitors Applications. <i>Procedia Engineering</i> , 2016, 148, 18-24.	1.2	28
1424	Enhanced adsorption of benzene vapor on granular activated carbon under humid conditions due to shifts in hydrophobicity and total micropore volume. <i>Journal of Hazardous Materials</i> , 2016, 318, 425-432.	6.5	105
1425	Conduction mechanism of nitronyl-nitroxide molecular magnetic compounds. <i>Physical Review B</i> , 2016, 93, .	1.1	5
1426	Novel Modifications to Carbon-Based Electrodes to Improve the Electrochemical Detection of Dopamine. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28338-28348.	4.0	78
1427	New models for kinetics and equilibrium homogeneous adsorption. <i>Chemical Engineering Research and Design</i> , 2016, 112, 289-297.	2.7	28
1428	Adsorption of lead by chemically activated carbons from three lignocellulosic precursors. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 120, 450-463.	2.6	32
1429	Biochar properties: Transport, fate, and impact. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 1183-1296.	6.6	126
1430	Adsorptive removal of heavy metals from aqueous solution using chemically activated <i>Diplotaxis Harra</i> biomass. <i>Surfaces and Interfaces</i> , 2016, 4, 84-94.	1.5	13
1431	Charting the Outer Helmholtz Plane and the Role of Nitrogen Doping in the Oxygen Reduction Reaction Conducted in Alkaline Media Using Nonprecious Metal Catalysts. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24511-24520.	1.5	5
1432	Molecular Simulation Study of the Adsorption and Diffusion of a Mixture of CO ₂ /CH ₄ in Activated Carbon: Effect of Textural Properties and Surface Chemistry. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 4139-4147.	1.0	40

#	ARTICLE	IF	CITATIONS
1433	The effect of oxidation on physicochemical properties and aqueous stabilization of multiwalled carbon nanotubes: comparison of multiple analysis methods. <i>Science China Chemistry</i> , 2016, 59, 1498-1507.	4.2	13
1434	Biomass-derived hierarchical carbon as sulfur cathode stabilizing agent for lithium-sulfur batteries. <i>Solid State Ionics</i> , 2016, 297, 59-63.	1.3	39
1435	Influence of Oxidation Conditions of Activated Carbon on Adsorption of Pb(II) from Aqueous Solution. <i>Journal of Environmental Chemistry</i> , 2016, 26, 109-114.	0.1	5
1436	Analysis of structural changes in and gas evolution from carbon materials during TPD, TPR and TPO. <i>Tanso</i> , 2016, 2016, 125-131.	0.1	1
1437	Characterization of Biochars and Their Use as an Amendment to Acid Soils. <i>Soil Science</i> , 2016, 181, 412-426.	0.9	39
1438	Water Purification Using Cost Effective Material Prepared from Agricultural Waste: Kinetics, Isotherms, and Thermodynamic Studies. <i>Clean - Soil, Air, Water</i> , 2016, 44, 1036-1045.	0.7	43
1439	Spectrophotometric investigation of the interactions between cationic (C.I. Basic Blue 9) and anionic (C.I. Acid Blue 25) dyes in adsorption onto extracted cellulose from <i>Posidonia oceanica</i> in single and binary system. <i>Water Science and Technology</i> , 2016, 73, 2211-2221.	1.2	9
1440	Chemistry characterization of jet aircraft engine particulate matter by XPS: Results from APEX III. <i>Atmospheric Environment</i> , 2016, 140, 623-629.	1.9	16
1441	Investigation of curing kinetics of epoxy resin/novel nanoclay-carbon nanotube hybrids by non-isothermal differential scanning calorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 771-784.	2.0	26
1442	Chemical and Electrochemical Studies of Carbon Black Surface by Treatment with Ozone and Nitrogen Oxide. <i>Materials Today: Proceedings</i> , 2016, 3, S252-S257.	0.9	21
1443	The effect of mineral matter on the physicochemical and sorption properties of brown coal-based activated carbons. <i>Adsorption</i> , 2016, 22, 561-569.	1.4	21
1444	Studies on the dispersity of polymethacrylate-grafted carbon black in a non-aqueous medium: the influence of monomer structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 2022-2030.	1.1	4
1445	Preparation and Characterization of a Novel Activated Carbon from Vine Shoots by ZnCl ₂ Activation and Investigation of Its Rifampicine Removal Capability. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	26
1446	Adsorptive uptake of basic dyes from aqueous solution by novel brown linseed deoiled cake activated carbon: Equilibrium isotherms and dynamics. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3084-3095.	3.3	50
1447	Development of d,l- α -tocopherol acetate/zeolite carrier system: equilibrium study. <i>Monatshefte für Chemie</i> , 2016, 147, 1167-1175.	0.9	7
1448	Highly mesoporous K ₂ CO ₃ and KOH/activated carbon for SDBS removal from water samples: Batch and fixed-bed column adsorption process. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2016, 6, 1-13.	1.7	45
1449	Microwave regeneration of spent activated carbon for the treatment of ester-containing wastewater. <i>RSC Advances</i> , 2016, 6, 60815-60825.	1.7	10
1450	Micro-extraction of Xenobiotics and Biomolecules from Different Matrices on Nanostructures. <i>Separation and Purification Reviews</i> , 2016, 45, 28-49.	2.8	7

#	ARTICLE	IF	CITATIONS
1451	Water Vapor Adsorption/Desorption on Two Fully Characterized Commercial Activated Carbons. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 622-627.	1.0	5
1452	Complementary surface charge for enhanced capacitive deionization. <i>Water Research</i> , 2016, 92, 275-282.	5.3	176
1453	Activated carbon production from the <i>Guadua amplexifolia</i> using a combination of physical and chemical activation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 124, 1383-1398.	2.0	21
1454	Effect of bead milling on chemical and physical characteristics of activated carbons pulverized to superfine sizes. <i>Water Research</i> , 2016, 89, 161-170.	5.3	52
1455	Adsorption of water and methanol on highly graphitized thermal carbon black: The effects of functional group and temperature on the isosteric heat at low loadings. <i>Carbon</i> , 2016, 99, 361-369.	5.4	25
1456	Adsorption of amoxicillin by Mn-impregnated activated carbons: performance and mechanisms. <i>RSC Advances</i> , 2016, 6, 11454-11460.	1.7	32
1457	Influences of feedstock and pyrolysis temperature on the nitrate adsorption of biochar. <i>Soil Science and Plant Nutrition</i> , 2016, 62, 180-184.	0.8	64
1458	Calorimetric evaluation of activated carbons modified for phenol and 2,4-dinitrophenol adsorption. <i>Adsorption</i> , 2016, 22, 13-21.	1.4	11
1459	Novel biosorbent with high adsorption capacity prepared by chemical modification of white pine (<i>Pinus durangensis</i>) sawdust. Adsorption of Pb(II) from aqueous solutions. <i>Journal of Environmental Management</i> , 2016, 169, 303-312.	3.8	55
1460	pKa determination of graphene-like materials: Validating chemical functionalization. <i>Journal of Colloid and Interface Science</i> , 2016, 467, 239-244.	5.0	73
1461	Surface and Catalytical effects on Treated Carbon Materials for Hydrogen Peroxide Electrogeneration. <i>Electrocatalysis</i> , 2016, 7, 60-69.	1.5	50
1462	Bioengineering Applications of Carbon Nanostructures. <i>Nanomedicine and Nanotoxicology</i> , 2016, , .	0.1	5
1463	Equilibrium, kinetics and thermodynamics study of phenols adsorption onto activated carbon obtained from lignocellulosic material (<i>Eucalyptus Globulus labill</i> seed). <i>Adsorption</i> , 2016, 22, 33-48.	1.4	46
1464	Biosorption of copper(Cu^{2+}) ions by methyl-sulfonated <i>Lagenaria vulgaris</i> shell: kinetic, thermodynamic and desorption studies. <i>New Journal of Chemistry</i> , 2016, 40, 2126-2134.	1.4	16
1465	Adsorption of rare earth metals (Sr^{2+} and La^{3+}) from aqueous solution by Mg-aminoclay-humic acid [MgAC-HA] complexes in batch mode. <i>RSC Advances</i> , 2016, 6, 1324-1332.	1.7	7
1466	Sorption of Atrazine, 17β -Estradiol, and Phenanthrene on Wheat Straw and Peanut Shell Biochars. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	32
1467	Use of activated carbon prepared from <i>Prosopis spicigera</i> L. wood (PSLW) plant material for the removal of rhodamine 6G from aqueous solution. <i>Desalination and Water Treatment</i> , 2016, 57, 3048-3058.	1.0	5
1468	Enhancement of Ni(II) removal by urea-modified activated carbon derived from <i>Pennisetum alopecuroides</i> with phosphoric acid activation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 60, 335-341.	2.7	29

#	ARTICLE	IF	CITATIONS
1469	Aqueous phase adsorption of cephalexin by walnut shell-based activated carbon: A fixed-bed column study. <i>Applied Surface Science</i> , 2016, 375, 144-153.	3.1	142
1470	Stability analysis of functionalized mesoporous carbon materials in aqueous solution. <i>Chemical Engineering Journal</i> , 2016, 290, 209-219.	6.6	35
1471	Mechanistic Study of Cellulose Hydrolysis by Carbon Catalysts. <i>Springer Theses</i> , 2016, , 77-112.	0.0	2
1472	Recovery of phosphate with chemically modified biochars. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 1156-1165.	3.3	78
1473	Toxic gases removal onto activated carbons obtained from hay with the use of microwave radiation. <i>Chemical Engineering Research and Design</i> , 2016, 109, 346-353.	2.7	10
1474	Performance enhancement of vertically aligned carbon nanotube membranes for separation of binary mixtures of H ₂ S/CH ₄ using different amine groups. <i>Materials Research Bulletin</i> , 2016, 77, 155-165.	2.7	3
1475	Hydrolysis of Cellulose to Glucose Using Carbon Catalysts. <i>Springer Theses</i> , 2016, , 43-75.	0.0	1
1476	Activated carbon fibers with redox-active functionalities improves the continuous anaerobic biotransformation of 4-nitrophenol. <i>Chemical Engineering Journal</i> , 2016, 286, 208-215.	6.6	39
1477	Metal-supported carbon-based materials: opportunities and challenges in the synthesis of valuable products. <i>Catalysis Science and Technology</i> , 2016, 6, 1265-1291.	2.1	135
1478	A Study on Catalytic Conversion of Non-Food Biomass into Chemicals. <i>Springer Theses</i> , 2016, , .	0.0	5
1479	Adsorption behavior and mechanism of pentachlorophenol on reed biochars: pH effect, pyrolysis temperature, hydrochloric acid treatment and isotherms. <i>Ecological Engineering</i> , 2016, 90, 225-233.	1.6	148
1480	Comparative study of naphthalene adsorption on activated carbon prepared by microwave-assisted synthesis from different typical coals in Xinjiang. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 59, 563-568.	2.7	22
1481	A review of the kinetics adsorption models and their application to the adsorption of lead by an activated carbon. <i>Chemical Engineering Research and Design</i> , 2016, 109, 495-504.	2.7	674
1482	The application of prepared porous carbon materials: Effect of different components on the heavy metal adsorption. <i>Waste Management and Research</i> , 2016, 34, 534-541.	2.2	19
1483	Molecular Characterization of the Gas-Particle Interface of Soot Sampled from a Diesel Engine Using a Titration Method. <i>Environmental Science & Technology</i> , 2016, 50, 2946-2955.	4.6	15
1484	High surface area microporous carbons as photoreactors for the catalytic photodegradation of methylene blue under UV-vis irradiation. <i>Applied Catalysis A: General</i> , 2016, 517, 1-11.	2.2	30
1485	Ion-exchange properties of microdispersed sintered detonation nanodiamond. <i>Adsorption</i> , 2016, 22, 371-383.	1.4	18
1486	Comparative study of carbon black and activated carbon adsorbents for removal of carbofuran from aqueous solution. <i>Desalination and Water Treatment</i> , 2016, 57, 21512-21523.	1.0	9

#	ARTICLE	IF	CITATIONS
1487	Accelerated aging of biochars: Impact on anion exchange capacity. Carbon, 2016, 103, 217-227.	5.4	78
1488	NaOH-activated carbon of high surface area produced from guava seeds as a high-efficiency adsorbent for amoxicillin removal: Kinetic, isotherm and thermodynamic studies. Chemical Engineering Journal, 2016, 288, 778-788.	6.6	348
1489	Comparative Adsorption of Crystal Violet and Congo Red onto ZnCl ₂ Activated Carbon. Journal of Dispersion Science and Technology, 2016, 37, 1671-1681.	1.3	27
1490	The effect of surface modification of mesoporous carbons on Auramine-O dye removal from water. Adsorption, 2016, 22, 531-540.	1.4	27
1491	Phosphate and ammonium sorption capacity of biochar and hydrochar from different wastes. Chemosphere, 2016, 145, 518-527.	4.2	361
1492	Self-flocculated powdered activated carbon with different oxidation methods and their influence on adsorption behavior. Journal of Hazardous Materials, 2016, 304, 222-232.	6.5	20
1493	High efficient preparation of carbon nanotube-grafted carbon fibers with the improved tensile strength. Applied Surface Science, 2016, 364, 539-551.	3.1	56
1494	Role of the intrinsic properties of partially reduced graphene oxides on the chemical transformation of iopromide. Carbon, 2016, 99, 456-465.	5.4	32
1495	The application of textile sludge adsorbents for the removal of Reactive Red 2 dye. Journal of Environmental Management, 2016, 168, 149-156.	3.8	64
1496	Physico-chemical characterization of biochars from solid municipal waste for use in soil amendment. Journal of Analytical and Applied Pyrolysis, 2016, 118, 42-53.	2.6	74
1497	Lignocellulosic biomass pyrolysis: A review of product properties and effects of pyrolysis parameters. Renewable and Sustainable Energy Reviews, 2016, 57, 1126-1140.	8.2	1,460
1498	Production of activated carbons from biodegradable waste materials as an alternative way of their utilisation. Adsorption, 2016, 22, 489-502.	1.4	31
1499	Activated carbon doped with biogenic manganese oxides for the removal of indigo carmine. Journal of Environmental Management, 2016, 166, 512-518.	3.8	43
1500	KOH-activated carbon prepared from sucrose spherical carbon: Adsorption equilibrium, kinetic and thermodynamic studies for Methylene Blue removal. Chemical Engineering Journal, 2016, 286, 476-484.	6.6	454
1501	Adsorptions of Cd(II) and Pb(II) in aqueous solution by rice-straw char. Desalination and Water Treatment, 2016, 57, 21619-21626.	1.0	5
1502	Oxygen breaks into carbon nanotubes and abstracts hydrogen from propane. Carbon, 2016, 96, 631-640.	5.4	38
1503	The effect of surface oxygenated groups of carbon nanotubes on liquid phase catalytic oxidation of cumene. Catalysis Science and Technology, 2016, 6, 2396-2402.	2.1	15
1504	Adsorption of pharmaceuticals onto activated carbon fiber cloths – Modeling and extrapolation of adsorption isotherms at very low concentrations. Journal of Environmental Management, 2016, 166, 544-555.	3.8	44

#	ARTICLE	IF	CITATIONS
1505	Hierarchical Amination of Graphene for Electrochemical Energy Storage. Springer Theses, 2016, , 73-96.	0.0	0
1506	Characterization of iron-modified carbon paste electrodes and their application in As(V) detection. Journal of Applied Electrochemistry, 2016, 46, 205-215.	1.5	15
1507	Adsorption of methylene blue on chemically modified pine nut shells in single and binary systems: isotherms, kinetics, and thermodynamic studies. Desalination and Water Treatment, 2016, 57, 15848-15861.	1.0	36
1508	Effect of porosity and surface chemistry on the adsorption-desorption of uranium(VI) from aqueous solution and groundwater. Journal of Radioanalytical and Nuclear Chemistry, 2016, 308, 555-565.	0.7	33
1509	Hydrolysis of woody biomass by a biomass-derived reusable heterogeneous catalyst. Chemical Science, 2016, 7, 692-696.	3.7	98
1510	One-pot titration methodology for the characterization of surface acidic groups on functionalized carbon nanotubes. Carbon, 2016, 96, 729-741.	5.4	17
1511	Preparation of activated carbon from <i>Iris tectorum</i> with different ammonium phosphates activation and removal of nickel from aqueous solution. Journal of the Taiwan Institute of Chemical Engineers, 2016, 59, 341-347.	2.7	4
1512	<i>Punica granatum</i> husk (PGH), a powdered biowaste material for the adsorption of methylene blue dye from aqueous solution. Desalination and Water Treatment, 2016, 57, 3194-3204.	1.0	16
1513	Depolymerization of Cellulosic Biomass Catalyzed by Activated Carbons. Green Chemistry and Sustainable Technology, 2016, , 15-26.	0.4	3
1514	Adsorption of hydrogen sulfide by biochars derived from pyrolysis of different agricultural/forestry wastes. Journal of the Air and Waste Management Association, 2016, 66, 8-16.	0.9	54
1515	Characterization and use of biosorbents prepared from forestry waste and their washed extracts to reduce/remove chromium. International Journal of Environmental Science and Technology, 2016, 13, 327-338.	1.8	4
1516	Citric acid-modified carbon chemical filtration for cleanroom air quality control: Study on N-methyl-2-pyrrolidone and the interference of co-existing toluene. Indoor and Built Environment, 2016, 25, 772-785.	1.5	8
1517	Coordination chemistry on carbon surfaces. Coordination Chemistry Reviews, 2016, 308, 236-345.	9.5	98
1518	pH-tunable surface charge of chitosan/graphene oxide composite adsorbent for efficient removal of multiple pollutants from water. Chemical Engineering Journal, 2016, 284, 1397-1405.	6.6	123
1519	New carbon adsorbent from polymer waste for effective removal of mercury from water. Desalination and Water Treatment, 2016, 57, 15435-15444.	1.0	6
1520	Comparison of the adsorption of lead by activated carbons from three lignocellulosic precursors. Microporous and Mesoporous Materials, 2016, 219, 265-275.	2.2	83
1521	Effect of acid modification on adsorption of hexavalent chromium (Cr(VI)) from aqueous solution by activated carbon and carbon nanotubes. Desalination and Water Treatment, 2016, 57, 7232-7244.	1.0	150
1522	Effect of carbon black on self-crosslinking network structure of polychloroprene rubber and epoxidized natural rubber blends. Polymer Composites, 2017, 38, 463-471.	2.3	10

#	ARTICLE	IF	CITATIONS
1523	Immobilization of Cu ²⁺ and Cd ²⁺ by earthworm manure derived biochar in acidic circumstance. <i>Journal of Environmental Sciences</i> , 2017, 53, 293-300.	3.2	25
1524	Risk mitigation by waste-based permeable reactive barriers for groundwater pollution control at e-waste recycling sites. <i>Environmental Geochemistry and Health</i> , 2017, 39, 75-88.	1.8	24
1525	Biosorption of hexavalent chromium from aqueous solutions by <i>Macadamia</i> nutshell powder. <i>Applied Water Science</i> , 2017, 7, 3015-3030.	2.8	51
1526	Photocatalytic degradation of phenol by char/N-TiO ₂ and char/N-F-TiO ₂ composite photocatalysts. <i>Catalysis Today</i> , 2017, 280, 114-121.	2.2	15
1527	Enhancement of chromate reduction in soils by surface modified biochar. <i>Journal of Environmental Management</i> , 2017, 186, 277-284.	3.8	124
1528	Polycyclic aromatic hydrocarbons and volatile organic compounds in biochar and biochar-amended soil: a review. <i>GCB Bioenergy</i> , 2017, 9, 990-1004.	2.5	117
1529	¹ H NMR Investigations of Activated Carbon Loaded with Volatile Organic Compounds: Quantification, Mechanisms, and Diffusivity Determination. <i>Langmuir</i> , 2017, 33, 1605-1613.	1.6	6
1530	Immobilization of metals in contaminated soils using natural polymer-based stabilizers. <i>Environmental Pollution</i> , 2017, 222, 348-355.	3.7	26
1531	Effects of different types of biochar on methane and ammonia mitigation during layer manure composting. <i>Waste Management</i> , 2017, 61, 506-515.	3.7	167
1532	Activated carbons for applications in catalysis: the point of view of a physical-chemist. <i>Rendiconti Lincei</i> , 2017, 28, 29-42.	1.0	5
1533	Enhanced removal of bisphenol-AF by activated carbon-alginate beads with cetyltrimethyl ammonium bromide. <i>Journal of Colloid and Interface Science</i> , 2017, 495, 191-199.	5.0	27
1534	Stability of polyvinyl alcohol-coated biochar nanoparticles in brine. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	13
1535	Graphene oxide coated with porous iron oxide ribbons for 2, 4-Dichlorophenoxyacetic acid (2,4-D) removal. <i>Ecotoxicology and Environmental Safety</i> , 2017, 138, 292-297.	2.9	52
1536	Biochar characteristics produced from rice husks and their sorption properties for the acetanilide herbicide metolachlor. <i>Environmental Science and Pollution Research</i> , 2017, 24, 4552-4561.	2.7	37
1537	Fluorinated Candle Soot as the Lubricant Additive of Perfluoropolyether. <i>Tribology Letters</i> , 2017, 65, 1.	1.2	19
1538	Novel synthesis of porous aluminium and its application in hydrogen storage. <i>Journal of Alloys and Compounds</i> , 2017, 702, 309-317.	2.8	18
1539	Single and competitive adsorption of Cd(II) and Pb(II) ions from aqueous solutions onto industrial chili seeds (<i>Capsicum annuum</i>) waste. <i>Sustainable Environment Research</i> , 2017, 27, 61-69.	2.1	50
1540	Capacitive Deionization Using Alternating Polarization: Effect of Surface Charge on Salt Removal. <i>Electrochimica Acta</i> , 2017, 233, 249-255.	2.6	51

#	ARTICLE	IF	CITATIONS
1541	Phenol and methylene blue adsorption on heat-treated activated carbon: Characterization, kinetics, and equilibrium studies. <i>Adsorption Science and Technology</i> , 2017, 35, 789-805.	1.5	15
1542	Physicochemical Characteristics of Biochar Produced from Rice Straw at Different Pyrolysis Temperature for Soil Amendment and Removal of Organics. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2017, 87, 207-214.	0.8	34
1543	Adsorption of Cd(II) from aqueous solutions by rape straw biochar derived from different modification processes. <i>Chemosphere</i> , 2017, 175, 332-340.	4.2	386
1544	Continuous and catalyst free synthesis of graphene sheets in thermal plasma jet. <i>Chemical Engineering Journal</i> , 2017, 322, 385-396.	6.6	30
1545	Adsorption of methanol on highly graphitized thermal carbon black effects of the configuration of functional groups and their interspacing. <i>Carbon</i> , 2017, 118, 709-722.	5.4	11
1546	Isolation, purification and analysis of dissolved organic carbon from Gohagoda uncontrolled open dumpsite leachate, Sri Lanka. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 1610-1618.	1.2	8
1547	Hot electron-induced electrochemiluminescence at polyetherimide-carbon black-based electrodes. <i>Electrochimica Acta</i> , 2017, 237, 185-191.	2.6	10
1548	Preparation and evaluation of modified cyanobacteria-derived activated carbon for H ₂ adsorption. <i>RSC Advances</i> , 2017, 7, 20412-20421.	1.7	20
1549	Pitch-Based Nitrogen-Doped Mesoporous Carbon for Flue Gas Desulfurization. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 4743-4749.	1.8	32
1550	Potential of a Pyrolytic Coconut Shell as a Sustainable Biofiller for Styrene-Butadiene Rubber. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 4779-4791.	1.8	25
1551	Photocatalytic activity of transition metal ions-loaded activated carbon: Degradation of crystal violet dye under solar radiation. <i>Journal of Water Process Engineering</i> , 2017, 17, 245-255.	2.6	44
1552	Effect of textural features and surface properties of activated carbon on the production of hydrogen peroxide from hydroxylamine oxidation. <i>RSC Advances</i> , 2017, 7, 25305-25313.	1.7	4
1553	Effect of carbon precursors and pore expanding reagent on ordered mesoporous carbon for resorcinol removal. <i>Journal of Water Process Engineering</i> , 2017, 17, 256-263.	2.6	22
1554	Physicochemical Studies of Adsorptive Denitrogenation by Oxidized Activated Carbons. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 5033-5041.	1.8	27
1555	Low-Temperature Carbon Coating of Nanosized Li _{1.015} Al _{0.06} Mn _{1.925} O ₄ and High-Density Electrode for High-Power Li-Ion Batteries. <i>Nano Letters</i> , 2017, 17, 3744-3751.	4.5	45
1556	EDTA-functionalized mesoporous silica for the removal of corrosion products: Adsorption studies and performance evaluation under gamma irradiation. <i>Microporous and Mesoporous Materials</i> , 2017, 248, 149-157.	2.2	46
1557	The use of activated biochar for development of a sensitive electrochemical sensor for determination of methyl parathion. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 602-608.	1.9	92
1558	Performance-enhancing materials for lead-acid battery negative plates. , 2017, , 213-234.		4

#	ARTICLE	IF	CITATIONS
1559	Comparison and application of different component municipal solid wastes based carbon on adsorption of carbon dioxide. <i>International Journal of Green Energy</i> , 2017, 14, 135-140.	2.1	6
1560	Influence of the surface functionalization conditions on the properties of carbon fibers and supported palladium. <i>Russian Journal of Applied Chemistry</i> , 2017, 90, 225-235.	0.1	0
1561	Aging Induced Changes in Biochar's Functionality and Adsorption Behavior for Phosphate and Ammonium. <i>Environmental Science & Technology</i> , 2017, 51, 8359-8367.	4.6	192
1562	Electrochemical Graphitization: An Efficient Conversion of Amorphous Carbons to Nanostructured Graphites. <i>Chemistry - A European Journal</i> , 2017, 23, 11455-11459.	1.7	52
1563	Silver Nanoparticle-Assisted Adsorptive Desulfurization by Composted Agro-Waste Activated Carbons. <i>International Journal of Environmental Research</i> , 2017, 11, 263-279.	1.1	5
1564	Effects of atmospheric ageing under different temperatures on surface properties of sludge-derived biochar and metal/metalloid stabilization. <i>Chemosphere</i> , 2017, 184, 176-184.	4.2	70
1565	Influence of surface chemistry of carbon materials on their interactions with inorganic nitrogen contaminants in soil and water. <i>Chemosphere</i> , 2017, 184, 532-547.	4.2	42
1566	Functionalized adsorbents prepared from fruit peels: Equilibrium, kinetic and thermodynamic studies for copper adsorption in aqueous solution. <i>Journal of Cleaner Production</i> , 2017, 162, 195-204.	4.6	92
1567	Simultaneous sorption and catalytic oxidation of trivalent antimony by Canna indica derived biochars. <i>Environmental Pollution</i> , 2017, 229, 394-402.	3.7	46
1568	Carbon black as a glassy carbon electrode modifier for high sensitive melatonin determination. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 278-284.	1.9	26
1569	Preparation and characterization of a metal-rich activated carbon from CCA-treated wood for CO ₂ capture. <i>Chemical Engineering Journal</i> , 2017, 321, 614-621.	6.6	47
1570	Surface grafting of epoxy polymer on CB to improve its dispersion to be the filler of resistive ink for PCB. <i>Results in Physics</i> , 2017, 7, 1870-1877.	2.0	7
1571	Aluminum and iron biomass pretreatment impacts on biochar anion exchange capacity. <i>Carbon</i> , 2017, 118, 422-430.	5.4	62
1572	Biomass-Derived Carbon Sorbents for Cd(II) Removal: Activation and Adsorption Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4103-4109.	3.2	74
1573	Adsorption and photocatalytic detoxification of diazinon using iron and nanotitania modified activated carbons. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 75, 299-306.	2.7	40
1574	Biosynthesized Gold/Activated Carbon Catalyst for Aerobic Glucose Oxidation: Influence of Acid Treatment on Activated Carbon. <i>Chinese Journal of Chemistry</i> , 2017, 35, 681-686.	2.6	5
1575	Nanostructure of Poly(Acrylic Acid) Adsorption Layer on the Surface of Activated Carbon Obtained from Residue After Supercritical Extraction of Hops. <i>Nanoscale Research Letters</i> , 2017, 12, 2.	3.1	37
1576	Analysis of structural changes in and gas evolution from carbon materials during TPD, TPR and TPO. <i>Carbon</i> , 2017, 114, 749.	5.4	0

#	ARTICLE	IF	CITATIONS
1577	Separation characteristics as a selection criteria of CO ₂ adsorbents. <i>Journal of CO₂ Utilization</i> , 2017, 17, 69-79.	3.3	24
1578	Effects of functionality and textural characteristics on the removal of Cd(II) by ammoniated and chlorinated nanoporous activated carbon. <i>Journal of Material Cycles and Waste Management</i> , 2017, 19, 1022-1035.	1.6	16
1579	Influence of the biomass components on the pore formation of activated carbon. <i>Biomass and Bioenergy</i> , 2017, 97, 53-64.	2.9	103
1580	Sequestration of hexavalent chromium from aqueous solutions by activated carbon derived from Macadamia nutshells. <i>Water Science and Technology</i> , 2017, 75, 196-206.	1.2	24
1581	Adsorption kinetics of water vapor on hypercrosslinked polymeric adsorbent and its comparison with carbonaceous adsorbents. <i>Microporous and Mesoporous Materials</i> , 2017, 241, 178-184.	2.2	28
1582	Biosorption mechanism of Methylene Blue from aqueous solution onto White Pine (<i>Pinus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 32-40.	2.1	155
1583	Group additive modeling of substituent effects in monocyclic aromatic hydrocarbon radicals. <i>AICHE Journal</i> , 2017, 63, 2089-2106.	1.8	19
1584	Fischer-Tropsch synthesis of olefin-rich liquid hydrocarbons from biomass-derived syngas over carbon-encapsulated iron carbide/iron nanoparticles catalyst. <i>Fuel</i> , 2017, 193, 369-384.	3.4	101
1585	An ammoniation-activation method to prepare activated carbon with enhanced porosity and functionality. <i>Powder Technology</i> , 2017, 309, 74-78.	2.1	30
1586	Modified carbon black as label in a colorimetric on-chip immunoassay for histamine. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 1092-1099.	4.0	14
1587	A green and economical vapor-assisted ozone treatment process for surface functionalization of carbon nanotubes. <i>Green Chemistry</i> , 2017, 19, 1052-1062.	4.6	36
1588	Comparison of Arsenic Adsorption on Goethite and Amorphous Ferric Oxyhydroxide in Water. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	13
1589	Removal of NO with the hexaminecobalt solution catalyzed by the carbon treated with oxalic acid. <i>Environmental Science and Pollution Research</i> , 2017, 24, 27788-27798.	2.7	9
1590	Research on collaborative control of Hg, As, Pb and Cr by electrostatic-fabric-integrated precipitator and wet flue gas desulphurization in coal-fired power plants. <i>Fuel</i> , 2017, 210, 527-534.	3.4	41
1591	Highly carboxyl-decorated graphene oxide sheets as metal-free catalytic system for chemoselective oxidation of sulfides to sulfones. <i>Materials Chemistry and Physics</i> , 2017, 201, 323-330.	2.0	23
1592	Mechanisms for Increasing the pH Buffering Capacity of an Acidic Ultisol by Crop Residue-Derived Biochars. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 8111-8119.	2.4	103
1593	Redox functionalization of carbon electrodes of electrochemical capacitors. <i>Russian Journal of Electrochemistry</i> , 2017, 53, 608-614.	0.3	10
1594	Comparative investigation of plain and silver impregnated activated carbons for the removal of cyanide from basic aqueous solutions in the batch process. <i>Chemical Engineering Communications</i> , 2017, 204, 1258-1269.	1.5	2

#	ARTICLE	IF	CITATIONS
1595	Development of cysteine amide reduced graphene oxide (CARGO) nano-adsorbents for enhanced uranyl ions removal from aqueous medium. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4547-4558.	3.3	32
1596	Insights into the Synthesis and Surface Functionalization of Mesoporous Carbon for Catalytic Applications. <i>ChemistrySelect</i> , 2017, 2, 7590-7596.	0.7	1
1597	Pyrolytic toluene conversion to benzene and coke over activated carbon in a fixed-bed reactor. <i>Fuel</i> , 2017, 207, 283-292.	3.4	27
1598	A Zanthoxylum bungeanum seed oil-based carbon solid acid catalyst for the production of biodiesel. <i>New Journal of Chemistry</i> , 2017, 41, 9256-9261.	1.4	17
1599	Autonomous electrochemical biosensors: A new vision to direct methanol fuel cells. <i>Biosensors and Bioelectronics</i> , 2017, 98, 428-436.	5.3	15
1600	Spectroelectrochemical Characterization of the Dynamic Carbon-Fiber Surface in Response to Electrochemical Conditioning. <i>Langmuir</i> , 2017, 33, 7838-7846.	1.6	19
1601	Microwave Irradiation Induced High-Efficiency Regeneration for Desulfurized Activated Coke: A Comparative Study with Conventional Thermal Regeneration. <i>Energy & Fuels</i> , 2017, 31, 9693-9702.	2.5	41
1602	Removal of Copper (II) by Biochar Mediated by Dissolved Organic Matter. <i>Scientific Reports</i> , 2017, 7, 7091.	1.6	26
1603	Isosorbide synthesis from cellulose with an efficient and recyclable ruthenium catalyst. <i>Green Chemistry</i> , 2017, 19, 4563-4570.	4.6	18
1604	Positive zeta potential of nanodiamonds. <i>Nanoscale</i> , 2017, 9, 12549-12555.	2.8	98
1605	Adsorption of CO ₂ onto Activated Carbons Prepared by Chemical Activation with Metallic Salts. <i>International Journal of Chemical Reactor Engineering</i> , 2017, 15, .	0.6	2
1606	Perfluoropolyether-Functionalized Carbon-Based Materials and Their Applications. , 2017, , 361-392.		1
1607	Water adsorption on carbon - A review. <i>Advances in Colloid and Interface Science</i> , 2017, 250, 64-78.	7.0	204
1608	Microwave-assisted one-step preparation of macadamia nut shell-based activated carbon for efficient adsorption of Reactive Blue. <i>New Journal of Chemistry</i> , 2017, 41, 15373-15383.	1.4	28
1609	Graphene-Like-Graphite as Fast-Chargeable and High-Capacity Anode Materials for Lithium Ion Batteries. <i>Scientific Reports</i> , 2017, 7, 14782.	1.6	116
1611	Synthesis of reduced graphene oxide (rGO) films onto carbon steel by cathodic electrophoretic deposition: Anticorrosive coating. <i>Carbon</i> , 2017, 122, 266-275.	5.4	57
1612	Recovery of phosphate from calcium-containing aqueous solution resulting from biochar-induced calcium phosphate precipitation. <i>Journal of Cleaner Production</i> , 2017, 165, 27-35.	4.6	61
1613	Eragrostis plana Nees as a novel eco-friendly adsorbent for removal of crystal violet from aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2017, 24, 19909-19919.	2.7	29

#	ARTICLE	IF	CITATIONS
1614	Adsorption of dyes on the surface of polymer nanocomposites modified with methylamine and copper(II) chloride. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 549-560.	5.0	33
1615	Study of micropores accessibility in coals and activated carbon using immersion heats with C1 and C4 alkanols. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 1505-1512.	2.0	5
1616	Hydrothermal co-carbonization of sewage sludge and pinewood sawdust for nutrient-rich hydrochar production: Synergistic effects and products characterization. <i>Journal of Environmental Management</i> , 2017, 201, 52-62.	3.8	122
1617	Unraveling sorption of lead in aqueous solutions by chemically modified biochar derived from coconut fiber: A microscopic and spectroscopic investigation. <i>Science of the Total Environment</i> , 2017, 576, 766-774.	3.9	172
1618	Surface-modified biochar in a bioretention system for <i>Escherichia coli</i> removal from stormwater. <i>Chemosphere</i> , 2017, 169, 89-98.	4.2	107
1619	Low cost earthworm manure-derived carbon material for the adsorption of Cu ²⁺ from aqueous solution: Impact of pyrolysis temperature. <i>Ecological Engineering</i> , 2017, 98, 189-195.	1.6	22
1620	Effects of Peanut Shell Biochar on the Adsorption of Cd(II) by Paddy Soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 98, 413-419.	1.3	6
1621	Pyrolysis methods impact biosolids-derived biochar composition, maize growth and nutrition. <i>Soil and Tillage Research</i> , 2017, 165, 59-65.	2.6	69
1622	Effects of pyrolysis temperature and residence time on physicochemical properties of different biochar types. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2017, 67, 12-22.	0.3	42
1623	Amoxicillin removal from aqueous solution using activated carbon prepared by chemical activation of olive stone. <i>Environmental Science and Pollution Research</i> , 2017, 24, 9993-10004.	2.7	86
1624	Activated vs. pyrolytic carbon as support matrix for chemical functionalization: Efficient heterogeneous non-heme Mn(II) catalysts for alkene oxidation with H ₂ O ₂ . <i>Journal of Molecular Catalysis A</i> , 2017, 426, 516-525.	4.8	26
1625	Characterization and adsorption properties of the electrolytic carbon derived from CO ₂ conversion in molten salts. <i>Carbon</i> , 2017, 111, 162-172.	5.4	39
1626	Recyclable superparamagnetic adsorbent based on mesoporous carbon for sequestration of radioactive Cesium. <i>Chemical Engineering Journal</i> , 2017, 308, 798-808.	6.6	37
1627	Characterization and quantification of biochar alkalinity. <i>Chemosphere</i> , 2017, 167, 367-373.	4.2	270
1628	Conductive inks of graphitic nanoparticles from a sustainable carbon feedstock. <i>Carbon</i> , 2017, 111, 142-149.	5.4	32
1629	Grapefruit peels as biosorbent: characterization and use in batch and fixed bed column for Cu(II) uptake from wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1650-1658.	1.6	25
1630	Advances and future directions of biochar characterization methods and applications. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 2275-2330.	6.6	194
1631	Dibenzothiophene removal from model fuel using an acid treated activated carbon. <i>Petroleum Science and Technology</i> , 2017, 35, 2066-2073.	0.7	10

#	ARTICLE	IF	CITATIONS
1632	Surface bromination of carbon materials: A DFT study. , 2017, , .		0
1633	Effect of Temperature on the Structural and Physicochemical Properties of Biochar with Apple Tree Branches as Feedstock Material. <i>Energies</i> , 2017, 10, 1293.	1.6	342
1634	Adsorption Capacity of a Volcanic Rockâ€™Used in ConstructedWetlandsâ€™For Carbamazepine Removal, and Its Modification with Biofilm Growth. <i>Water (Switzerland)</i> , 2017, 9, 721.	1.2	11
1635	Enthalpic Contribution of Ni(II) in the Interaction between Carbonaceous Material and Aqueous Solution. <i>Journal of Chemistry</i> , 2017, 2017, 1-7.	0.9	4
1636	Influence of Mechanical Activation Parameters on the Aggregate Size, Texture, and Functional Composition of the Surface of Carbon Black. <i>Russian Journal of Applied Chemistry</i> , 2017, 90, 1982-1989.	0.1	3
1637	Adsorption of CO ₂ onto Activated Carbons Prepared by Chemical Activation with Metallic Salts. <i>International Journal of Chemical Reactor Engineering</i> , 2017, 15, .	0.6	2
1638	Coupling of Solvent Extraction and Ultrasonic Waves for Regeneration of Spent Activated Carbon after Treatment of Polluted Air with Toluene Vapor. <i>Journal of Applied Biotechnology</i> , 2017, 5, 1.	0.1	41
1639	Surface Characterization of Aged Biochar Incubated in Different Types of Soil. <i>BioResources</i> , 2017, 12, .	0.5	14
1640	DEVELOPMENT OF ACTIVATED CARBON FROM BAMBOO (<i>Bambusa vulgaris</i>) FOR PESTICIDE REMOVAL FROM AQUEOUS SOLUTIONS. <i>Cerne</i> , 2017, 23, 123-132.	0.9	14
1641	Processing Organic Waste Towards High Performance Carbon Electrodes for Electrochemical Capacitors. <i>International Journal of Electrochemical Science</i> , 2017, 12, 128-143.	0.5	11
1642	Dispersion stability of the aminosilane-grafted mesoporous carbons in different solvents. <i>Microporous and Mesoporous Materials</i> , 2018, 265, 149-161.	2.2	11
1643	Removal of rhodamine B from water by modified carbon xerogels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 543, 109-117.	2.3	62
1644	H ₂ O ₂ treatment enhanced the heavy metals removal by manure biochar in aqueous solutions. <i>Science of the Total Environment</i> , 2018, 628-629, 1139-1148.	3.9	128
1645	Sorption mechanism of zinc on reed, lignin, and reed- and lignin-derived biochars: kinetics, equilibrium, and spectroscopic studies. <i>Journal of Soils and Sediments</i> , 2018, 18, 2535-2543.	1.5	11
1646	Catalytic Oxidation of Hydrogen Sulfide on Fe/WSAC Catalyst Surface Modification via NH ₃ -NTP: Influence of Gas Gap and Dielectric Thickness. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 2873-2881.	1.8	5
1647	Effect of pH on the Activity of Platinum Group Metal-Free Catalysts in Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2018, 8, 3041-3053.	5.5	158
1648	Kinetic, Thermodynamic, and Adsorption Behavior of Cationic and Anionic Dyes onto Corn Stigmata: Nonlinear and Stochastic Analyses. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	30
1649	Application of Biochar and Compost for Enhancement of Rice (<i>Oryza Sativa</i> L.) Grain Yield in Calcareous Sandy Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 552-566.	0.6	13

#	ARTICLE	IF	CITATIONS
1650	Synergistic effect of microbubbles and activated carbon on the ozonation treatment of synthetic dyeing wastewater. <i>Separation and Purification Technology</i> , 2018, 201, 10-18.	3.9	52
1651	Removal of Aluminum(III) from Polluted Water Using Active Carbon Derived from Barks of Ficus Racemosa Plant. <i>Asian Journal of Water, Environment and Pollution</i> , 2018, 15, 23-39.	0.4	1
1652	The effect of surface functional groups on the performance of graphite powders used as electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2018, 818, 106-113.	1.9	13
1653	Determination of specific capacitance of modified candlenut shell based carbon as electrode material for supercapacitor. <i>Journal of Physics: Conference Series</i> , 2018, 979, 012024.	0.3	5
1654	Removal of tetracycline antibiotics from wastewater by pulsed corona discharge plasma coupled with natural soil particles. <i>Chemical Engineering Journal</i> , 2018, 346, 159-170.	6.6	75
1655	Adsorption of basic dyes onto activated carbon: Experimental and theoretical investigation of chemical reactivity of basic dyes using DFT-based descriptors. <i>Applied Surface Science</i> , 2018, 448, 662-670.	3.1	124
1656	Removal of methylene blue from aqueous solution by modified bamboo hydrochar. <i>Ecotoxicology and Environmental Safety</i> , 2018, 157, 300-306.	2.9	154
1657	Adsorption behaviors and mechanisms of florfenicol by magnetic functionalized biochar and reed biochar. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 88, 152-160.	2.7	83
1658	Continuous leaching modifies the surface properties and metal(loid) sorption of sludge-derived biochar. <i>Science of the Total Environment</i> , 2018, 625, 731-737.	3.9	31
1659	Pyrolytic carbon as support matrix for heterogeneous oxidation catalysts: The influence of pyrolytic process on catalytic behavior. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1127-1136.	3.3	9
1660	Effect of zinc ion on copper speciation and adsorption on activated carbon. <i>Hydrometallurgy</i> , 2018, 176, 78-86.	1.8	14
1661	Microwave-assisted catalytic pyrolysis of moso bamboo for high syngas production. <i>Bioresource Technology</i> , 2018, 256, 145-151.	4.8	53
1662	Non-linear thermogravimetric mass spectrometry of carbon materials providing direct speciation separation of oxygen functional groups. <i>Carbon</i> , 2018, 130, 614-622.	5.4	54
1663	A quick removal of toxic phenolic compounds using porous carbon prepared from renewable biomass coconut spathe and exploration of new source for porous carbon materials. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1434-1442.	3.3	31
1664	Exploit Carbon Materials to Accelerate Initiation and Enhance Process Stability of CO Anaerobic Open-Culture Fermentation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2787-2796.	3.2	27
1665	Adsorption of 2,4-dichlorophenoxyacetic acid and 4-chloro-2-methylphenoxyacetic acid onto activated carbons derived from various lignocellulosic materials. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2018, 53, 290-297.	0.7	33
1666	Electrochemical Synthesis of Highly Ordered Porous Al Scaffolds Melt-Infiltrated with LiBH ₄ for Hydrogen Storage. <i>Journal of the Electrochemical Society</i> , 2018, 165, D37-D42.	1.3	9
1667	High self-dispersibility carbon black particles prepared via hydroxylation and urethane chains encapsulation for enhancing properties of waterborne polyurethane composite films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 543, 46-55.	2.3	19

#	ARTICLE	IF	CITATIONS
1668	Preparation and Properties of Elastomer Composites Containing α -Graphene-Based Fillers: A Review. <i>Polymer Reviews</i> , 2018, 58, 403-443.	5.3	22
1669	Steam activation and mild air oxidation of vacuum pyrolysis biochar. <i>Biomass and Bioenergy</i> , 2018, 108, 101-112.	2.9	88
1670	Graphene functionalization: Mechanism of carboxyl group formation. <i>Carbon</i> , 2018, 130, 340-349.	5.4	30
1671	Production of new activated bio-carbons by chemical activation of residue left after supercritical extraction of hops. <i>Environmental Research</i> , 2018, 161, 456-463.	3.7	26
1672	Plasmonic Carbon-Dot-Decorated Nanostructured Semiconductors for Efficient and Tunable Random Laser Action. <i>ACS Applied Nano Materials</i> , 2018, 1, 152-159.	2.4	22
1673	Adsorption of Ni(II) on spent coffee and coffee husk based activated carbon. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1161-1170.	3.3	78
1674	Ultraporous nitrogen-doped zeolite-templated carbon for high power density aqueous-based supercapacitors. <i>Carbon</i> , 2018, 129, 510-519.	5.4	79
1675	Application of CdS QDs incorporated in magnetized powder activated carbon for degradation of some dyes: Photodegradation process and comprehensive catalytic and spectroscopic studies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 357, 103-117.	2.0	22
1676	Physicochemical characterization of ordered mesoporous carbons functionalized by wet oxidation. <i>Journal of Materials Science</i> , 2018, 53, 5997-6007.	1.7	16
1677	Carbon Dots: Bottom-Up Syntheses, Properties, and Light Harvesting Applications. <i>Chemistry - an Asian Journal</i> , 2018, 13, 586-598.	1.7	101
1678	Catalytic conversion of furfural from pyrolysis of sunflower seed hulls for producing bio-based furfuryl alcohol. <i>Journal of Cleaner Production</i> , 2018, 178, 237-246.	4.6	40
1679	Advanced treatment of biotreated coking wastewater with peroxydisulfate oxidation catalyzed by granular activated carbon. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2191-2198.	1.6	9
1680	Removal of NO with the hexamminecobalt(II) solution catalyzed by the activated carbon treated with acetic acid. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 62, 217-224.	2.9	9
1681	Interpreting the pH-dependent mechanism of simazine sorption to Miscanthus biochar produced at different pyrolysis temperatures for its application to soil. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 1468-1476.	1.2	8
1682	Development of carbon adsorbents with high surface acidity and basicity from polyhydric alcohols with phosphoric acid activation for Ni(II) removal. <i>Chemosphere</i> , 2018, 206, 115-121.	4.2	16
1683	Comparative evaluation of dry and wet carbonization of agro industrial wastes for the production of soil improver. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 3366-3375.	3.3	20
1684	A Flow Adsorption Microcalorimetry-Logistic Modeling Approach for Assessing Heterogeneity of Brønsted-Type Surfaces: Application to Pyrogenic Organic Materials. <i>Environmental Science & Technology</i> , 2018, 52, 6167-6176.	4.6	2
1685	Adsorption behaviour of copper and gold Glycinates in alkaline media onto activated carbon. Part 2: Kinetics. <i>Hydrometallurgy</i> , 2018, 178, 195-201.	1.8	22

#	ARTICLE	IF	CITATIONS
1686	Interactions of food waste compost with metals and metal-chelant complexes during soil remediation. <i>Journal of Cleaner Production</i> , 2018, 192, 199-206.	4.6	29
1687	Efficient removal of Cd ²⁺ and Pb ²⁺ from aqueous solution with amino- and thiol-functionalized activated carbon: Isotherm and kinetics modeling. <i>Science of the Total Environment</i> , 2018, 635, 1331-1344.	3.9	162
1688	Functionalized nanocarbon materials as catalysts for the ethanolsis of furfuryl alcohol. <i>Mendeleev Communications</i> , 2018, 28, 93-95.	0.6	7
1689	Synthesis of carbon xerogels modified with amine groups and copper for efficient adsorption of caffeine. <i>Chemical Engineering Journal</i> , 2018, 345, 13-21.	6.6	35
1690	Preparation of rice straw-derived biochar for efficient cadmium removal by modification of oxygen-containing functional groups. <i>Science of the Total Environment</i> , 2018, 631-632, 795-802.	3.9	122
1691	Paper pulp-based adsorbents for the removal of pharmaceuticals from wastewater: A novel approach towards diversification. <i>Science of the Total Environment</i> , 2018, 631-632, 1018-1028.	3.9	27
1692	Capacitive deionization with wire-shaped electrodes. <i>Electrochimica Acta</i> , 2018, 270, 165-173.	2.6	30
1693	Study of heavy metals biosorption on native and alkali-treated apricot shells and its application in wastewater treatment. <i>Journal of Molecular Liquids</i> , 2018, 259, 340-349.	2.3	78
1694	Catalytic performance of ordered mesoporous carbons modified with lanthanides in dry methane reforming. <i>Catalysis Today</i> , 2018, 301, 204-216.	2.2	28
1695	Effect of biochar derived from faecal matter on yield and nutrient content of lettuce (<i>Lactuca sativa</i>) in two contrasting soils. <i>Environmental Systems Research</i> , 2018, 6, .	1.5	22
1696	Adsorption-oxidation of hydrogen sulfide on Fe/walnut-shell activated carbon surface modified by NH ₃ -plasma. <i>Journal of Environmental Sciences</i> , 2018, 64, 216-226.	3.2	32
1697	Surface characteristics of KOH-treated commercial carbons applied for CO ₂ adsorption. <i>Adsorption Science and Technology</i> , 2018, 36, 478-492.	1.5	37
1698	Structural characteristics and decomposition analyses of four commercial essential oils by thermal approaches and GC/MS. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 1709-1719.	2.0	9
1699	Synthesis of nitrogen doped activated carbon/polyaniline material for CO ₂ adsorption. <i>Polymers for Advanced Technologies</i> , 2018, 29, 319-328.	1.6	38
1700	Experimental and modeling investigations of ball-milled biochar for the removal of aqueous methylene blue. <i>Chemical Engineering Journal</i> , 2018, 335, 110-119.	6.6	262
1701	Development of Solid Catalysts for Solid Substrate Reactions for Efficient Utilization of Biomass. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 29-43.	2.0	63
1702	Effect of peanut shell and wheat straw biochar on the availability of Cd and Pb in a soil—rice (<i>Oryza</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.7	55
1703	Removal of Ni(II) and Co(II) from Aqueous Solution Using Pine Cone: A Mechanism Study. , 2018, , 163-183.		1

#	ARTICLE	IF	CITATIONS
1704	Esterification of levulinic acid with ethanol catalyzed by sulfonated carbon catalysts: Promotional effects of additional functional groups. <i>Catalysis Today</i> , 2018, 314, 62-69.	2.2	46
1705	Adsorption of bentazon on CAT and CARBOPAL activated carbon: Experimental and computational study. <i>Applied Surface Science</i> , 2018, 433, 487-501.	3.1	9
1706	Effects of ball milling on the physicochemical and sorptive properties of biochar: Experimental observations and governing mechanisms. <i>Environmental Pollution</i> , 2018, 233, 54-63.	3.7	314
1707	Mesoporous activated carbon fibers synthesized from denim fabric waste: Efficient adsorbents for removal of textile dye from aqueous solutions. <i>Journal of Cleaner Production</i> , 2018, 171, 482-490.	4.6	139
1708	Development and characterization of pine bark with enhanced capacity for uptaking Cr(III) from aqueous solutions. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 855-864.	0.9	12
1709	Adsorption enthalpy of lead(II) and phenol on coals and activated carbon in the view of thermodynamic analysis and calorimetric measurements. <i>Journal of Chemical Thermodynamics</i> , 2018, 116, 97-106.	1.0	19
1710	Fabrication of weakly acid functionalized mesoporous carbon solid acid from tannic acid and its use for saccharification of cellulose. <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 850-860.	1.3	14
1711	Adsorption of caffeine on mesoporous activated carbon fibers prepared from pineapple plant leaves. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 64-71.	2.9	235
1712	Adsorption of methyl red on activated carbon derived from custard apple (<i>Annona squamosa</i>) fruit shell: Equilibrium isotherm and kinetic studies. <i>Journal of Molecular Liquids</i> , 2018, 249, 1195-1211.	2.3	107
1713	Tailored metallacarboranes as mediators for boosting the stability of carbon-based aqueous supercapacitors. <i>Sustainable Energy and Fuels</i> , 2018, 2, 345-352.	2.5	13
1714	Ultra-deep adsorptive desulfurization of fuels on cobalt and molybdenum nanoparticles loaded on activated carbon derived from waste rubber. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 779-787.	5.0	68
1715	Functional Group-Dependent Supercapacitive and Aging Properties of Activated Carbon Electrodes in Organic Electrolyte. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1208-1214.	3.2	41
1716	In-situ modification of activated carbon with ethylenediaminetetraacetic acid disodium salt during phosphoric acid activation for enhancement of nickel removal. <i>Powder Technology</i> , 2018, 325, 113-120.	2.1	22
1717	Effect of treatment with tartaric acid on carbon as a catalyst in the absorption of NO into the hexaminecobalt(II) solution. <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 333-341.	1.3	2
1718	Evaluation of nutrient uptake of selected cover crops and biochar on the yield advantage of two taro (<i>Colocasia esculenta</i>) cultivars in Samoa. <i>South Pacific Journal of Natural and Applied Sciences</i> , 2018, 36, 9.	0.2	1
1719	Biochars Improve Nutrient Phyto-Availability of Hawai'i's Highly Weathered Soils. <i>Agronomy</i> , 2018, 8, 203.	1.3	24
1720	Controlling the Surface Oxygen Groups of Polyacrylonitrile-Based Carbon Nanofiber Membranes While Limiting Fiber Degradation. <i>Journal of Carbon Research</i> , 2018, 4, 40.	1.4	8
1721	Characteristics of the surface chemistry of linden pyrochar after removal of labile organic matter. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 107, 012124.	0.2	0

#	ARTICLE	IF	CITATIONS
1722	Characterization of oxidized activated carbon obtained from Astragalus residue and its adsorption application for Cu ²⁺ from aqueous solution. IOP Conference Series: Materials Science and Engineering, 2018, 392, 032031.	0.3	0
1723	Electromagnetic Parameters of Composite Materials Based on Polyethylene and Multi-Walled Carbon Nanotubes Modified by Iron Oxide Nanoparticles. Russian Journal of Applied Chemistry, 2018, 91, 1994-2002.	0.1	4
1724	Biomass tar cracking and syngas production using rice husk char-supported nickel catalysts coupled with microwave heating. RSC Advances, 2018, 8, 40873-40882.	1.7	20
1725	Adsorption of Cd ²⁺ in aqueous solutions using KMnO ₄ -modified activated carbon derived from Astragalus residue. Transactions of Nonferrous Metals Society of China, 2018, 28, 794-801.	1.7	18
1726	Enhancing the sugars production yield by supporting H ₃ PW ₁₂ O ₄₀ heteropoly acid on activated carbon for use as catalyst in hydrolysis of cellulose. Revista Materia, 2018, 23, .	0.1	2
1727	The Potential of Pyrolytic Biomass as a Sustainable Biofiller for Styrene-Butadiene Rubber. , 0, , .		0
1728	Cerium promoted V-g-C ₃ N ₄ as highly efficient heterogeneous catalysts for the direct benzene hydroxylation. Royal Society Open Science, 2018, 5, 180371.	1.1	10
1729	sp ² carbon allotropes in elastomer matrix: From master curves for the mechanical reinforcement to lightweight materials. EXPRESS Polymer Letters, 2018, 12, 265-283.	1.1	11
1730	Phenol Molecular Sheets Woven by Water Cavities in Hydrophobic Slit Nanospaces. Langmuir, 2018, 34, 15150-15159.	1.6	1
1731	Possibilities of carbon black recovery from waste tyre pyrolysis to be used as additive in rubber goods -a review-. IOP Conference Series: Materials Science and Engineering, 0, 437, 012012.	0.3	26
1732	A Review on the Synthesis and Characterization of Biomass-Derived Carbons for Adsorption of Emerging Contaminants from Water. Journal of Carbon Research, 2018, 4, 63.	1.4	80
1733	Functionality Analysis of Carbon Nanosheet, Oxidized Carbon Nanosheet and Reduced Carbon Nanosheet Oxide by Using Fourier Transform Infra Red and Boehm Titration Method. Journal of Physics: Conference Series, 2018, 1095, 012028.	0.3	2
1734	Modeling and predicting total hydrogen adsorption in nanoporous carbon materials for advanced nuclear systems. Journal of Nuclear Materials, 2018, 511, 328-340.	1.3	19
1735	Diversification of Device Platforms by Molecular Layers: Hybrid Sensing Platforms, Monolayer Doping, and Modeling. Langmuir, 2018, 34, 14103-14123.	1.6	10
1736	Development of a novel chem-bio hybrid process using biochar supported nanoscale iron sulfide composite and Corynebacterium variabile HRJ4 for enhanced trichloroethylene dechlorination. Water Research, 2018, 147, 132-141.	5.3	41
1737	Effects of Silk-worm Excrement Biochar Combined with Different Iron-Based Materials on the Speciation of Cadmium and Lead in Soil. Applied Sciences (Switzerland), 2018, 8, 1999.	1.3	10
1738	Effect of H ₂ O ₂ modification of H ₃ PW ₁₂ O ₄₀ @carbon for m-xylene oxidation to isophthalic acid. Korean Journal of Chemical Engineering, 2018, 35, 2172-2184.	1.2	1
1739	Effects of Activated Carbon Surface Property on Structure and Activity of Ru/AC Catalysts. IOP Conference Series: Materials Science and Engineering, 2018, 359, 012045.	0.3	0

#	ARTICLE	IF	CITATIONS
1740	Thermally Driven Selective Nanocomposite PS-PHB/MGC Nanofibrous Conductive Sensor for Air Pollutant Detection. <i>Frontiers in Chemistry</i> , 2018, 6, 432.	1.8	5
1741	Effect of activated carbon modified with oxalic acid on the production of IPA from MX catalyzed by H3PW12O40@carbon and cobalt. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 68, 87-98.	2.9	5
1742	Adsorption and removal of phenoxy acetic herbicides from water by using commercial activated carbons: experimental and computational studies. <i>Journal of Contaminant Hydrology</i> , 2018, 218, 84-93.	1.6	39
1743	Thermal and thermal-acid treated sewage sludge for the removal of dye reactive Red 120: Characteristics, kinetics, isotherms, thermodynamics and response surface methodology design. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 7233-7246.	3.3	20
1744	Decoration of Carbon Nanomaterial Powders with Dispersed Platinum Metal Particles. <i>Russian Journal of Applied Chemistry</i> , 2018, 91, 1209-1216.	0.1	0
1745	Calorimetry of Immersion in the Energetic Characterization of Porous Solids. , 2018, , .		2
1746	Aluminium-modified activated carbon as efficient adsorbent for cleaning of cationic dye in wastewater. <i>Journal of Cleaner Production</i> , 2018, 205, 303-312.	4.6	76
1747	Qualitative and quantitative correlation of physicochemical characteristics and lead sorption behaviors of crop residue-derived chars. <i>Bioresource Technology</i> , 2018, 270, 545-553.	4.8	55
1748	Highly Graphitic, Mesoporous Carbon Materials as Electrocatalysts for Vanadium Redox Reactions in All-Vanadium Redox-Flow Batteries. <i>Journal of the Electrochemical Society</i> , 2018, 165, A2510-A2518.	1.3	12
1749	Characterization of potassium hydroxide modified anthracite particles and enhanced removal of 17 β -ethinylestradiol and bisphenol A. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22224-22235.	2.7	12
1750	Effect of carbon black functionalization on the analytical performance of a tyrosinase biosensor based on glassy carbon electrode modified with dihexadecylphosphate film. <i>Enzyme and Microbial Technology</i> , 2018, 116, 41-47.	1.6	48
1751	Alkaline functionalization of granular activated carbon for the removal of Volatile Organo Sulphur Compounds (VOSCs) generated in Sewage Treatment Plants. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 3510-3519.	3.3	13
1752	A study on the preparation of pitch-based high-strength columnar activated carbon and mechanism of phenol adsorption from aqueous solution. <i>RSC Advances</i> , 2018, 8, 17558-17568.	1.7	19
1753	Graphitic Carbon Nitride Doped with the s-Block Metals: Adsorbent for the Removal of Methyl Blue and Copper(II) Ions. <i>Langmuir</i> , 2018, 34, 7272-7283.	1.6	46
1754	Enhancement of methylbenzene adsorption capacity through cetyl trimethyl ammonium bromide-modified activated carbon derived from Astragalus residue. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 121, 022001.	0.2	2
1755	Walnut shell treated with citric acid and its application as biosorbent in the removal of Zn(II). <i>Journal of Water Process Engineering</i> , 2018, 25, 45-53.	2.6	50
1756	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.	5.4	32
1757	Microwave pyrolysis of moso bamboo for syngas production and bio-oil upgrading over bamboo-based biochar catalyst. <i>Bioresource Technology</i> , 2018, 266, 284-290.	4.8	99

#	ARTICLE	IF	CITATIONS
1758	Nanocarbon and nanodiamond for high performance phenolics sensing. <i>Communications Chemistry</i> , 2018, 1, .	2.0	16
1759	Carbon Fibers Obtained from Flax and Their Adsorption Performance in the Removal of Cu(II) and Co(II) from Aqueous Solutions. <i>ChemistrySelect</i> , 2018, 3, 8259-8269.	0.7	10
1760	Preparation, characterization, and application of low-cost aÃ§aÃ§-seed-based activated carbon for phenol adsorption. <i>International Journal of Environmental Research</i> , 2018, 12, 755-764.	1.1	23
1761	Effect of Chemical Activation on the Surface Properties of Apricot Stones Based Activated Carbons and Its Adsorptive Properties Toward Aniline. , 2018, , 228-240.		5
1762	Study of COD Adsorption on Deferent Activated Carbon Prepared from the Date Stones of the South of Algeria. , 2018, , 665-675.		1
1763	Boehm Titration Revisited (Part I): Practical Aspects for Achieving a High Precision in Quantifying Oxygen-Containing Surface Groups on Carbon Materials. <i>Journal of Carbon Research</i> , 2018, 4, 21.	1.4	65
1764	Boehm Titration Revisited (Part II): A Comparison of Boehm Titration with Other Analytical Techniques on the Quantification of Oxygen-Containing Surface Groups for a Variety of Carbon Materials. <i>Journal of Carbon Research</i> , 2018, 4, 22.	1.4	28
1765	MgO-Templated Mesoporous Carbon as a Catalyst Support for Polymer Electrolyte Fuel Cells. <i>Catalysts</i> , 2018, 8, 230.	1.6	34
1766	Nanopore-filling effect of phenanthrene sorption on modified black carbon. <i>Science of the Total Environment</i> , 2018, 642, 1050-1059.	3.9	12
1767	Preparation and Characterization of Activated Carbon from the Cones of Iranian Pine Trees (Pinus Tj ETQq1 1 0.784314 rgBT /Overlo Dodecylbenzene Sulfonate Removal from Aqueous Solution. <i>Water Conservation Science and Engineering</i> , 2018, 3, 253-265.	0.9	10
1768	Competitive Adsorption of Heavy Metals from Aqueous Solution onto Oxidized Activated Carbon Fiber. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	17
1769	Effect of Charcoal in Cigarette Filters on Free Radicals in Mainstream Smoke. <i>Chemical Research in Toxicology</i> , 2018, 31, 745-751.	1.7	12
1770	Adsorption of Bovine Serum Albumin on Carbon-Based Materials. <i>Journal of Carbon Research</i> , 2018, 4, 3.	1.4	32
1771	Impact of Pyrolysis Temperature and Feedstock on Surface Charge and Functional Group Chemistry of Biochars. <i>Journal of Environmental Quality</i> , 2018, 47, 452-461.	1.0	111
1772	Potassium fertilisation with humic acid coated KCl in a sandy clay loam tropical soil. <i>Soil Research</i> , 2018, 56, 244.	0.6	13
1773	Factors affecting the adsorption of gaseous environmental odors by activated carbon: A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2018, 48, 341-375.	6.6	60
1774	Adsorption characteristics of Cd(<sc>i>i</i>/sc>) in aqueous solutions using spent mushroom substrate biochars produced at different pyrolysis temperatures. <i>RSC Advances</i> , 2018, 8, 28002-28012.	1.7	13
1775	CO ₂ -spherical activated carbon as a new adsorbent for Methylene Blue removal: Kinetic, equilibrium and thermodynamic studies. <i>Journal of Molecular Liquids</i> , 2018, 269, 132-139.	2.3	72

#	ARTICLE	IF	CITATIONS
1776	Effect of carbon black with large particle size on dynamic mechanical analysis of magnetorheological elastomers (MREs). <i>Materials Research Express</i> , 2018, 5, 095703.	0.8	10
1777	Surface carboxyl-activated polyester (PET) fibers decorated with glucose carbon microspheres and their enhanced selective adsorption for dyes. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 123, 378-388.	1.9	29
1778	Harnessing Filler Materials for Enhancing Biogas Separation Membranes. <i>Chemical Reviews</i> , 2018, 118, 8655-8769.	23.0	239
1779	Effect of Mn addition on the low-temperature NH ₃ -selective catalytic reduction of NO _x over Fe ₂ O ₃ /activated coke catalysts: Experiment and mechanism. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2018, 13, e2231.	0.8	19
1780	Understanding the functions of carbon in the negative active-mass of the lead-acid battery: A review of progress. <i>Journal of Energy Storage</i> , 2018, 19, 272-290.	3.9	65
1781	Effect of biochar from peanut shell on speciation and availability of lead and zinc in an acidic paddy soil. <i>Ecotoxicology and Environmental Safety</i> , 2018, 164, 554-561.	2.9	56
1782	Activated carbon (prepared from secondary sludge biomass) supported semiconductor zinc oxide nanocomposite photocatalyst for reduction of Cr(VI) under visible light irradiation. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 7327-7337.	3.3	41
1783	Low cost synthesis of SiO ₂ /C nanocomposite from corn cobs and its adsorption of uranium (VI), chromium (VI) and cationic dyes from wastewater. <i>Journal of Molecular Liquids</i> , 2018, 269, 140-151.	2.3	57
1784	Effect of an external magnetic field applied in batch adsorption systems: Removal of dyes and heavy metals in binary solutions. <i>Journal of Molecular Liquids</i> , 2018, 269, 450-460.	2.3	25
1785	Electrochemical sensor based on nanostructured ion imprinted polymer for the sensing and extraction of Cr(III) ions from industrial wastewater. <i>Polymer International</i> , 2018, 67, 1595-1604.	1.6	20
1786	Production of Isophthalic Acid from <i>m</i> -Xylene Catalyzed by Co(II) and HPW@C Modified with Acetic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 11893-11902.	1.8	2
1787	Study of Hexane Adsorption on Activated Carbons with Differences in Their Surface Chemistry. <i>Molecules</i> , 2018, 23, 476.	1.7	11
1788	Particle size dependence of the physicochemical properties of biochar. <i>Chemosphere</i> , 2018, 212, 385-392.	4.2	63
1789	Amelioration of soil acidity, Olsen-P, and phosphatase activity by manure- and peat-derived biochars in different acidic soils. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	31
1790	Synthesis of new activated carbons produced from polymer waste. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 451-457.	1.0	13
1791	Operating conditions-induced changes in product yield and characteristics during thermal-conversion of peanut shell to biochar in relation to economic analysis. <i>Journal of Cleaner Production</i> , 2018, 193, 479-490.	4.6	56
1792	Insights on Relationship between Deterioration and Direct-Current Internal Resistance of Valve Regulated Lead-Acid Battery by Addition of Granular Carbon Additives under HRPSoC Duty. <i>Journal of the Electrochemical Society</i> , 2018, 165, A1753-A1760.	1.3	3
1793	Removal of textile dyes from aqueous solutions using low cost Moroccan clay. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 161, 012009.	0.2	4

#	ARTICLE	IF	CITATIONS
1794	Co metal nanoparticles deposition inside or outside multi-walled carbon nanotubes via facile support pretreatment. <i>Applied Surface Science</i> , 2018, 456, 657-665.	3.1	29
1795	Capacitive mechanism of oxygen functional groups on carbon surface in supercapacitors. <i>Electrochimica Acta</i> , 2018, 282, 618-625.	2.6	224
1796	Biochar stability assessment methods: A review. <i>Science of the Total Environment</i> , 2019, 647, 210-222.	3.9	352
1797	The Influence of Carbon Sorbent Surface Properties on the Adsorption of Poly- and Heterocyclic Aromatic Hydrocarbons. <i>Refractories and Industrial Ceramics</i> , 2019, 60, 124-128.	0.2	0
1798	Adsorption of cadmium and lead ions by phosphoric acid-modified biochar generated from chicken feather: Selective adsorption and influence of dissolved organic matter. <i>Bioresource Technology</i> , 2019, 292, 121948.	4.8	145
1799	Chemical characterization of biomass flour of the babassu coconut mesocarp (<i>Orbignya speciosa</i>) during biosorption process of copper ions. <i>Environmental Technology and Innovation</i> , 2019, 16, 100440.	3.0	19
1800	The study of sulphur retention characteristics of biomass briquettes during combustion. <i>Energy</i> , 2019, 186, 115788.	4.5	32
1801	Adsorption of Chloramphenicol on Commercial and Modified Activated Carbons. <i>Water (Switzerland)</i> , 2019, 11, 1141.	1.2	25
1802	Selective adsorption of nitrate over chloride in microporous carbons. <i>Water Research</i> , 2019, 164, 114885.	5.3	53
1803	Deacidification of vegetable oil by extraction with solvent recovery. <i>Adsorption</i> , 2019, 25, 1397-1407.	1.4	4
1804	Synthesis, characterization, kinetic drug release and anticancer activity of bisphosphonates multi-walled carbon nanotube conjugates. <i>Materials Science and Engineering C</i> , 2019, 104, 109967.	3.8	16
1805	Characterization of Activated Carbon Adsorbents – State of the Art and Novel Approaches. <i>ChemBioEng Reviews</i> , 2019, 6, 119-138.	2.6	34
1806	Conductive Coatings Based on Polyvinyl Alcohol and Graphene Oxide. <i>Russian Journal of General Chemistry</i> , 2019, 89, 994-997.	0.3	5
1807	Purification and functionalisation of multi-walled carbon nanotubes. <i>Materials Letters</i> , 2019, 253, 272-275.	1.3	27
1808	Simultaneous desulfurization and denitrogenation of model fuels by polyethylene glycol-modified resorcinol/formaldehyde resin-derived carbon spheres. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1131-1139.	1.2	6
1809	Elucidation of Calcite Structure of Calcium Carbonate Formation Based on Hydrated Cement Mixed with Graphene Oxide and Reduced Graphene Oxide. <i>ACS Omega</i> , 2019, 4, 10160-10170.	1.6	71
1810	Base-free conversion of glycerol to methyl lactate using a multifunctional catalytic system consisting of Au–Pd nanoparticles on carbon nanotubes and Sn-MCM-41-XS. <i>Green Chemistry</i> , 2019, 21, 4115-4126.	4.6	15
1811	Iodine(III) reagent (ABX ^{III} N ₃)-induced intermolecular anti-Markovnikov hydroazidation of unactivated alkenes. <i>Science China Chemistry</i> , 2019, 62, 1537-1541.	4.2	23

#	ARTICLE	IF	CITATIONS
1812	Removal of mixture of phenolic compounds from aqueous solution by tire char adsorption. IOP Conference Series: Materials Science and Engineering, 2019, 518, 062011.	0.3	2
1814	NICO2O4@MNO2 Double Nanostructures Grown on Etched Nickel Wire for Fiber-Shaped Super-Capacitors Applications. , 2019, , .		0
1815	Activated Carbon by KOH and NaOH Activation: Preparation and Electrochemical Performance in K2SO4 and Na2SO4 Electrolytes. Russian Journal of Electrochemistry, 2019, 55, 900-907.	0.3	15
1816	Interaction between Hydrocarbons C ₆ and Modified Activated Carbons: Correlation between Adsorption Isotherms and Immersion Enthalpies. ACS Omega, 2019, 4, 19595-19604.	1.6	8
1817	Assessment of active tuberculosis findings in the eastern area of China: A 3-year sequential screening study. International Journal of Infectious Diseases, 2019, 88, 34-40.	1.5	13
1818	Aqueous Phase Oxidation of <i>N</i> -Substituted <i>N</i> -PhosphonomethylGlycines into Glyphosate with Hydrogen Peroxide in the Presence of Carbon-Supported Gold Catalysts. ChemistrySelect, 2019, 4, 10756-10764.	0.7	3
1819	Multiple light scattering as a method to determine the dispersion stability of amino-functionalized mesoporous carbon. Journal of Molecular Liquids, 2019, 278, 1-4.	2.3	1
1820	Structure, chemistry and physicochemistry of lignin for material functionalization. SN Applied Sciences, 2019, 1, 1.	1.5	28
1821	Hydrolysis of cellulose and woody biomass over sustainable weak-acid carbon catalysts from alkaline lignin. Fuel Processing Technology, 2019, 196, 106175.	3.7	22
1822	Enhanced surface activity of activated carbon by surfactants synergism. RSC Advances, 2019, 9, 26519-26531.	1.7	31
1823	Oxidation of gasified carbon black in the ozone-air medium. AIP Conference Proceedings, 2019, , .	0.3	4
1824	Facile Synthesis of Porous Carbon for the Removal of Diclofenac Sodium from Water. ACS Omega, 2019, 4, 15051-15060.	1.6	32
1825	Structural Characterization of Graphene Oxide: Surface Functional Groups and Fractionated Oxidative Debris. Nanomaterials, 2019, 9, 1180.	1.9	275
1826	Predicting adsorption coefficients of VOCs using polyparameter linear free energy relationship based on the evaluation of dispersive and specific interactions. Environmental Pollution, 2019, 255, 113224.	3.7	12
1827	Functionalized graphene nanoplatelets/modified polybutadiene hybrid composite. Colloid and Polymer Science, 2019, 297, 1529-1540.	1.0	10
1828	Adsorption of Major Nitrogen-Containing Components in Microalgal Bio-Oil by Activated Carbon: Equilibrium, Kinetics, and Ideal Adsorbed Solution Theory (IAST) Model. ACS Sustainable Chemistry and Engineering, 2019, 7, 16529-16538.	3.2	19
1829	Comparative study of the CH ₄ /CO ₂ adsorption selectivity of activated carbons for biogas upgrading. Journal of Environmental Chemical Engineering, 2019, 7, 103368.	3.3	36
1830	Synthesis of 5-hydroxymethylfurfural from highly concentrated aqueous fructose solutions using activated carbon. Carbohydrate Research, 2019, 486, 107826.	1.1	30

#	ARTICLE	IF	CITATIONS
1831	Fabrication and Applications of Carbon/Clay Mineral Nanocomposites. , 2019, , 537-587.		4
1832	Taguchi Optimization Method for Nickel Removal from Aqueous Solutions Using Non-living <i>Pleurotus mutilus</i> . Arabian Journal for Science and Engineering, 2019, 44, 10067-10077.	1.7	3
1833	Chemical modification of four lignocellulosic materials to improve the Pb ²⁺ and Ni ²⁺ ions adsorption in aqueous solutions. Journal of Environmental Chemical Engineering, 2019, 7, 103363.	3.3	14
1834	Experimental Assessment of the Practical Oxidative Stability of Lithium Thiophosphate Solid Electrolytes. Chemistry of Materials, 2019, 31, 8328-8337.	3.2	138
1835	Volatile organic compounds analysis and characterization on activated biochar prepared from rice husk. International Journal of Environmental Science and Technology, 2019, 16, 7653-7662.	1.8	17
1836	The effect of demineralization on the physicochemical and sorption properties of activated bio-carbons. Adsorption, 2019, 25, 337-343.	1.4	15
1837	Removal of 2,4-D herbicide from aqueous solution by aminosilane-grafted mesoporous carbons. Adsorption, 2019, 25, 345-355.	1.4	23
1838	Application of microwave heating in the preparation of functionalized activated carbons. Adsorption, 2019, 25, 327-336.	1.4	6
1839	Lanthanum ion-impregnated granular activated carbon for the removal of phenol from aqueous solution: Equilibrium and kinetic study. International Journal of Chemical Kinetics, 2019, 51, 215-231.	1.0	4
1840	Investigation of multiple adsorption mechanisms for efficient removal of ofloxacin from water using lignin-based adsorbents. Scientific Reports, 2019, 9, 637.	1.6	38
1841	Construction of a double-layered polyelectrolyte-coated mesoporous silica containing residues of biogenic aspartic acid and its utilization for cadmium (II) removal. Journal of Sol-Gel Science and Technology, 2019, 89, 830-843.	1.1	3
1842	A simple method for enhancing the catalytic activity of Pd deposited on carbon nanotubes used in direct formic acid fuel cells. Applied Surface Science, 2019, 476, 806-814.	3.1	29
1843	H ₃ PO ₄ -activated carbons produced from aÃ§ai stones and Brazil nut shells: removal of basic blue 26 dye from aqueous solutions by adsorption. Environmental Science and Pollution Research, 2019, 26, 28533-28547.	2.7	25
1844	Electrochemical detection of copper in water using carbon paste electrodes prepared from bio-template (grapefruit peels) functionalized with carboxyl groups. Journal of Electroanalytical Chemistry, 2019, 837, 22-29.	1.9	22
1845	Preparation of carbon-containing, compressible, microporous, polymeric monoliths that regulate macroscopic conductivity. Polymer Chemistry, 2019, 10, 852-859.	1.9	16
1846	Highly Active, High Specific Surface Area Fe/C/N ORR Electrocatalyst from Liquid Precursors by Combination of CO ₂ Laser Pyrolysis and Single NH ₃ Thermal Post-Treatment. Journal of Carbon Research, 2019, 5, 26.	1.4	4
1847	Removal of emerging pollutants in water treatment plants: adsorption of methyl and propylparaben onto powdered activated carbon. Adsorption, 2019, 25, 983-999.	1.4	32
1848	Comparison of physicochemical, sorption and electrochemical properties of nitrogen-doped activated carbons obtained with the use of microwave and conventional heating. Adsorption, 2019, 25, 405-417.	1.4	7

#	ARTICLE	IF	CITATIONS
1849	Phosphomolybdic Acid coupling with Vulcan XC72 Carbon as Superior Catalyst to Enhance ORR Activity and Performance of MFC. <i>International Journal of Electrochemical Science</i> , 2019, 14, 5613-5628.	0.5	2
1850	Immersion enthalpy of benzene/cyclohexane and toluene/cyclohexane binary mixtures into modified activated carbons. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 2565-2575.	2.0	10
1851	Thermodynamic study of adsorption of nickel ions onto carbon aerogels. <i>Heliyon</i> , 2019, 5, e01789.	1.4	15
1852	Effects of the Chemical Structure, Surface, and Micropore Properties of Activated and Oxidized Black Carbon on the Sorption and Desorption of Phenanthrene. <i>Environmental Science & Technology</i> , 2019, 53, 7683-7693.	4.6	33
1853	Synergistic modification of carbon fiber by electrochemical oxidation and sizing treatment and its effect on the mechanical properties of carbon fiber reinforced composites. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48028.	1.3	11
1854	Activated carbon fibers prepared from cellulose and polyester-derived residues and their application on removal of Pb ²⁺ ions from aqueous solution. <i>Journal of Molecular Liquids</i> , 2019, 289, 111150.	2.3	20
1855	Nitrogen Oxide Removal by Coal-Based Activated Carbon for a Marine Diesel Engine. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1656.	1.3	7
1856	Predictable Catalysis of Electron-Rich Palladium Catalyst toward Aldehydes Hydrogenation. <i>ChemCatChem</i> , 2019, 11, 3770-3775.	1.8	4
1857	The influence of dielectric layer on the thermal boundary resistance of GaN-on-diamond substrate. <i>Surface and Interface Analysis</i> , 2019, 51, 783-790.	0.8	14
1858	Kombucha scoby-based carbon as a green scaffold for high-capacity cathode in lithium-sulfur batteries. <i>Ionics</i> , 2019, 25, 4637-4650.	1.2	11
1859	Ordered Mesoporous Carbons for Adsorption of Paracetamol and Non-Steroidal Anti-Inflammatory Drugs: Ibuprofen and Naproxen from Aqueous Solutions. <i>Water (Switzerland)</i> , 2019, 11, 1099.	1.2	41
1860	Quick electrochemical immunoassay for hantavirus detection based on biochar platform. <i>Talanta</i> , 2019, 204, 163-171.	2.9	23
1861	Enhanced adsorption of Pb(II) onto modified hydrochar: Modeling and mechanism analysis. <i>Bioresource Technology</i> , 2019, 288, 121593.	4.8	125
1862	Structure of methanol sub-monolayer on functionalized graphite at temperatures below the triple point. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 577, 110-117.	2.3	4
1863	Biofilm microbial composition changes due to different surface chemical modifications of activated carbon cloths in the biotransformation of 4-nitrophenol. <i>Biodegradation</i> , 2019, 30, 401-413.	1.5	6
1864	Chemical Aging Changed Aggregation Kinetics and Transport of Biochar Colloids. <i>Environmental Science & Technology</i> , 2019, 53, 8136-8146.	4.6	91
1865	New insight into the aggregation of graphene oxide in synthetic surface water: Carbonate nanoparticle formation on graphene oxide. <i>Environmental Pollution</i> , 2019, 250, 366-374.	3.7	11
1866	Immersion Enthalpy of Activated Carbon-Cyclohexane and Activated Carbon-Hexane. Difference in the Solid-Liquid Interaction Enthalpy Due to the Structure of the Solvent. <i>Processes</i> , 2019, 7, 180.	1.3	2

#	ARTICLE	IF	CITATIONS
1867	Enhanced SO ₂ and Rhodamine B Removal by Blending Coke-Making Waste Benzene Residue (BR) for Pelletized Activated Coke (PAC) Production and Mechanisms. <i>Energy & Fuels</i> , 2019, 33, 5173-5181.	2.5	13
1868	Pharmaceuticals and personal care products removal from aqueous solution by nitrogen-functionalized carbon adsorbent derived from pomelo peel waste. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 257, 012019.	0.2	1
1869	Highly Stretchable Supercapacitors via Crumpled Vertically Aligned Carbon Nanotube Forests. <i>Advanced Energy Materials</i> , 2019, 9, 1900618.	10.2	74
1870	Combined chemical-templated activation of hydrolytic lignin for producing porous carbon. <i>Industrial Crops and Products</i> , 2019, 135, 30-38.	2.5	38
1871	Siloxane adsorption on activated carbons: Role of the surface chemistry on sorption properties in humid atmosphere and regenerability issues. <i>Chemical Engineering Journal</i> , 2019, 371, 821-832.	6.6	25
1872	Adsorption of hydrogen sulfide, carbon dioxide, methane, and their mixtures on activated carbon. <i>Chemical Engineering Communications</i> , 2019, 206, 1533-1553.	1.5	23
1873	Walnut shells: food processing waste from western Himalayan state of Himachal Pradesh as an excellent source for production of activated carbon with highly acidic surface. <i>International Journal of Environment and Waste Management</i> , 2019, 23, 274.	0.2	2
1874	Evaluation of edges for carbon materials via temperature-programmed desorption and temperature-programmed oxidation. <i>Carbon Letters</i> , 2019, 29, 109-114.	3.3	6
1875	Effect of Nano-Carbon Black Surface Modification on Toxicity to Earthworm (<i>Eisenia fetida</i>) Using Filter Paper Contact and Avoidance Test. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 103, 206-211.	1.3	11
1876	Molecular simulations of carbon-based materials for selected CO ₂ separation and water treatment processes. <i>Fluid Phase Equilibria</i> , 2019, 492, 10-25.	1.4	19
1877	Effect of mesoporous carbon support nature and pretreatments on palladium loading, dispersion and apparent catalytic activity in hydrogenation of myrcene. <i>Journal of Catalysis</i> , 2019, 372, 226-244.	3.1	29
1878	Controllable synthesis of Fe ₃ O ₄ -wollastonite adsorbents for efficient heavy metal ions/oxyanions removal. <i>Environmental Science and Pollution Research</i> , 2019, 26, 12379-12398.	2.7	10
1879	Effects of pyrolysis temperature on nitrate-nitrogen (NO ₃ ⁻ -N) and bromate (BrO ₃ ⁻) adsorption onto date palm biochar. <i>Journal of Environmental Management</i> , 2019, 237, 289-296.	3.8	37
1880	Galvanically Stimulated Degradation of Carbon-Fiber Reinforced Polymer Composites: A Critical Review. <i>Materials</i> , 2019, 12, 651.	1.3	26
1881	Characterization of biomass-derived chars. , 2019, , 69-108.		7
1882	Surface modification of activated carbon by corona treatment. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019, 91, e20170947.	0.3	9
1883	Activated Carbon, Carbon Nanofibers and Carbon-Covered Alumina as Support for W ₂ C in Stearic Acid Hydrodeoxygenation. <i>ChemEngineering</i> , 2019, 3, 24.	1.0	6
1884	Production, Characterization and Alternative Applications of Biochar. <i>Biofuels and Biorefineries</i> , 2019, , 117-151.	0.5	6

#	ARTICLE	IF	CITATIONS
1885	The effect of biochar mild air oxidation on the optimization of lead(II) adsorption from wastewater. <i>Journal of Environmental Management</i> , 2019, 240, 404-420.	3.8	75
1887	Determining organo-chemical composition of sugarcane bagasse-derived biochar as a function of pyrolysis temperature using proximate and Fourier transform infrared analyses. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 331-342.	2.0	35
1888	Synthesis of ultralight phosphorylated carbon aerogel for efficient removal of U(VI): Batch and fixed-bed column studies. <i>Chemical Engineering Journal</i> , 2019, 370, 1376-1387.	6.6	116
1889	Adsorptive and capacitive properties of the activated carbons derived from pig manure residues. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103066.	3.3	20
1890	Efficient surface functionalization of detonation nanodiamond using ozone under ambient conditions. <i>Nanoscale</i> , 2019, 11, 8012-8019.	2.8	25
1891	Production of Materials from Sustainable Biomass Resources. <i>Biofuels and Biorefineries</i> , 2019, , .	0.5	3
1892	Sorption mechanisms of lead on silicon-rich biochar in aqueous solution: Spectroscopic investigation. <i>Science of the Total Environment</i> , 2019, 672, 572-582.	3.9	79
1893	Carbonaceous Catalysts from Biomass. <i>Biofuels and Biorefineries</i> , 2019, , 185-231.	0.5	1
1894	Aluminum Matrix Graphene-Reinforced Composite Materials. <i>Minerals, Metals and Materials Series</i> , 2019, , 365-371.	0.3	2
1895	Quantum-mechanical LSERs for the concentration-dependent adsorption of aromatic organic compounds by activated carbon: Applications and comparison with carbon nanotubes. <i>SAR and QSAR in Environmental Research</i> , 2019, 30, 109-130.	1.0	3
1896	Functionalization, Modification, and Characterization of Carbon Nanofibers. , 2019, , 75-137.		4
1897	Lanthanum enriched aminosilane-grafted mesoporous carbon material for efficient adsorption of tartrazine azo dye. <i>Microporous and Mesoporous Materials</i> , 2019, 280, 7-19.	2.2	29
1898	Production of isophthalic acid from Methylxylene catalyzed by Co(II) and HPW@C modified with ZnCl ₂ solution. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 2086-2096.	0.9	3
1899	A facile method to modify activated carbon fibers for drinking water purification. <i>Chemical Engineering Journal</i> , 2019, 365, 175-182.	6.6	31
1900	Stevia residue as new precursor of CO ₂ -activated carbon: Optimization of preparation condition and adsorption study of triclosan. <i>Ecotoxicology and Environmental Safety</i> , 2019, 172, 403-410.	2.9	38
1901	Ball-milled biochar for galaxolide removal: Sorption performance and governing mechanisms. <i>Science of the Total Environment</i> , 2019, 659, 1537-1545.	3.9	87
1902	Current Progress on the Surface Chemical Modification of Carbonaceous Materials. <i>Coatings</i> , 2019, 9, 103.	1.2	85
1903	Fine aggregate substitution with acidified granular activated carbon influences fresh-state and mechanical properties of ordinary Portland cement mortars. <i>Construction and Building Materials</i> , 2019, 207, 59-69.	3.2	11

#	ARTICLE	IF	CITATIONS
1904	Facile Synthesis of Carboxylated Activated Carbon Using Green Approach for Water Treatment. IOP Conference Series: Materials Science and Engineering, 2019, 578, 012003.	0.3	9
1905	Preparation of Kerosene Soot Carbon Electrode and Its Application in Lithium Ion Battery. , 2019, , .		1
1906	Incorporation of humic acid into biomass derived carbon for enhanced adsorption of phenol. Scientific Reports, 2019, 9, 19931.	1.6	11
1907	Adsorption Kinetics of 2,2,4,4-Tetrabromodiphenyl Ether (BDE-47) on Maize Straw-Derived Biochars. Pedosphere, 2019, 29, 721-729.	2.1	14
1908	Sorption of carbendazim on activated carbons derived from rape straw and its mechanism. RSC Advances, 2019, 9, 41745-41754.	1.7	19
1909	Activated carbon adsorption of gold from cyanide-starved glycine solutions containing copper. Part 1: Isotherms. Separation and Purification Technology, 2019, 211, 594-601.	3.9	38
1910	Size effect of carbon black on the structure and mechanical properties of magnetorheological elastomers. Journal of Materials Science, 2019, 54, 1326-1340.	1.7	19
1911	Protecting a Pd/CB catalyst by a mesoporous silica layer. Applied Catalysis B: Environmental, 2019, 241, 196-204.	10.8	15
1912	Synthesis of novel waste batteries-sawdust-based adsorbent via a two-stage activation method for Pb ²⁺ removal. Environmental Science and Pollution Research, 2019, 26, 4730-4745.	2.7	8
1913	Evaluation of single and tri-element adsorption of Pb ²⁺ , Ni ²⁺ and Zn ²⁺ ions in aqueous solution on modified water hyacinth (Eichhornia crassipes) fibers. Journal of Environmental Chemical Engineering, 2019, 7, 102885.	3.3	29
1914	Mechanical treatment as highly effective method of physico-chemical properties control of carbon black. Microporous and Mesoporous Materials, 2019, 279, 193-200.	2.2	14
1915	Degradation and stabilization of polyurethane elastomers. Progress in Polymer Science, 2019, 90, 211-268.	11.8	345
1916	Highly porous activated carbon synthesized by pyrolysis of polyester fabric wastes with different iron salts: Pore development and adsorption behavior. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 565, 180-187.	2.3	43
1917	Preparation of activated carbon cloths from renewable natural fabrics and their performance during the adsorption of model organic and inorganic pollutants in water. Journal of Cleaner Production, 2019, 213, 650-658.	4.6	28
1918	Alleviation of aluminum phytotoxicity by canola straw biochars varied with their cultivating soils through an investigation of wheat seedling root elongation. Chemosphere, 2019, 218, 907-914.	4.2	24
1919	Hydrogen storage properties of eutectic metal borohydrides melt-infiltrated into porous Al scaffolds. Journal of Alloys and Compounds, 2019, 775, 474-480.	2.8	17
1920	Designing preferable functional materials based on the secondary reactions of the hierarchical tannic acid (TA)-aminopropyltriethoxysilane (APTES) coating. Chemical Engineering Journal, 2019, 360, 299-312.	6.6	93
1921	Removal of toxic pollutants using tannery sludge derived mesoporous activated carbon: Experimental and modelling studies. Journal of Environmental Chemical Engineering, 2019, 7, 102798.	3.3	19

#	ARTICLE	IF	CITATIONS
1922	Synthesis, characterization and application of surface-modified biochar synthesized from rice husk, an agro-industrial waste for the removal of hexavalent chromium from drinking water at near-neutral pH. <i>Clean Technologies and Environmental Policy</i> , 2019, 21, 447-462.	2.1	35
1923	High electrical conductivity waterborne dispersions of carbon black pigment. <i>Progress in Organic Coatings</i> , 2019, 129, 199-208.	1.9	17
1924	On the growth of argon clusters on a weak adsorbent decorated with patches. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 431-440.	5.0	2
1925	The kinetic studies of gold(III) chloride complex adsorption mechanism from an aqueous and semi-aqueous system. <i>Journal of Molecular Liquids</i> , 2019, 278, 43-52.	2.3	10
1926	An electrochemical sensor and sorbent based on multiwalled carbon nanotube supported ion imprinting technique for Ni(II) ion from electroplating and steel industries. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	3
1927	In-situ ion-activated carbon nanospheres with tunable ultramicroporosity for superior CO ₂ capture. <i>Carbon</i> , 2019, 143, 531-541.	5.4	96
1928	Modified activated carbon as a promising adsorbent for quinoline removal. <i>Microporous and Mesoporous Materials</i> , 2019, 277, 208-216.	2.2	43
1929	Analysis of 17 β -ethinylestradiol and bisphenol A adsorption on anthracite surfaces by site energy distribution. <i>Chemosphere</i> , 2019, 216, 59-68.	4.2	46
1930	Synthesis and characterization of pecan nutshell-based adsorbent with high specific area and high methylene blue adsorption capacity. <i>Journal of Molecular Liquids</i> , 2019, 276, 570-576.	2.3	34
1931	Optimal synthesis of oxidized mesoporous carbons for the adsorption of heavy metal ions. <i>Journal of Molecular Liquids</i> , 2019, 276, 630-637.	2.3	53
1932	Biochar for Effective Cleaning of Contaminated Dumpsite Soil: A Sustainable and Cost-Effective Remediation Technique for Developing Nations. , 2019, , 3-29.		0
1933	Soot differentiation by laser derivatization. <i>Aerosol Science and Technology</i> , 2019, 53, 207-229.	1.5	6
1934	Effect of hydrothermal carbonization temperature on pH, dissociation constants, and acidic functional groups on hydrochar from cellulose and wood. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 137, 138-145.	2.6	121
1935	Effects of biochar size and type on gaseous emissions during pig manure/wheat straw aerobic composting: Insights into multivariate-microscale characterization and microbial mechanism. <i>Bioresource Technology</i> , 2019, 271, 375-382.	4.8	116
1936	Biomimetic lipophilic activated carbon for enhanced removal of triclosan from water. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 111-121.	5.0	25
1937	Effects of activation conditions on the structural and adsorption characteristics of pinecones derived activated carbons. <i>Journal of Dispersion Science and Technology</i> , 2019, 40, 140-151.	1.3	8
1938	Low-cost fluoride adsorbents prepared from a renewable biowaste: Syntheses, characterization and modeling studies. <i>Arabian Journal of Chemistry</i> , 2019, 12, 3004-3017.	2.3	49
1939	Preparation and characterization of mesoporous activated carbons from waste watermelon rind by using the chemical activation method with zinc chloride. <i>Arabian Journal of Chemistry</i> , 2019, 12, 3621-3627.	2.3	56

#	ARTICLE	IF	CITATIONS
1940	Relation between biochar physicochemical characteristics on the adsorption of fluoride, nitrite, and nitrate anions from aqueous solution. <i>Particulate Science and Technology</i> , 2019, 37, 118-122.	1.1	6
1941	The combination of <i>Luffa</i> cylindrical fibers and metal oxides offers a highly performing hybrid fiber material in water decontamination. <i>Environmental Science and Pollution Research</i> , 2019, 26, 11524-11534.	2.7	19
1942	Effect of graphitization of oxygen-modified carbon nanotubes in selective oxidation of acrolein. <i>Catalysis Today</i> , 2019, 330, 142-148.	2.2	16
1943	Adsorptive removal of resorcinol on a novel ordered mesoporous carbon (OMC) employing COK-19 silica scaffold: Kinetics and equilibrium study. <i>Journal of Environmental Sciences</i> , 2019, 75, 307-317.	3.2	26
1944	SURFACE MODIFICATIONS OF ACTIVATED CARBON AND ITS IMPACT ON APPLICATION. <i>Surface Review and Letters</i> , 2019, 26, 1830006.	0.5	20
1945	Date palm waste biochars alter a soil respiration, microbial biomass carbon, and heavy metal mobility in contaminated mined soil. <i>Environmental Geochemistry and Health</i> , 2019, 41, 1705-1722.	1.8	52
1946	Mechanochemically improved surface properties of activated carbon cloth for the removal of As(V) from aqueous solutions. <i>Arabian Journal of Chemistry</i> , 2019, 12, 4446-4457.	2.3	19
1947	Electrochemical Capacitors Based on Electrodes Made of Lignocellulosic Waste Materials. <i>Waste and Biomass Valorization</i> , 2020, 11, 3863-3871.	1.8	13
1948	Thermodynamic study of triclosan adsorption from aqueous solutions on activated carbon. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 913-921.	2.0	8
1949	Styrene oxidation catalyzed by copper(II) C-scorpionates in homogenous medium and immobilized on sucrose derived hydrochars. <i>Catalysis Today</i> , 2020, 357, 56-63.	2.2	14
1950	Ammonia and Ammonium Acetate Modifications and Characterisation of Activated Carbons from Palm Kernel Shell and Coconut Shell. <i>Waste and Biomass Valorization</i> , 2020, 11, 983-993.	1.8	2
1951	Understanding the effect of carbon surface chemistry on adsorption of perfluorinated alkyl substances. <i>Chemical Engineering Journal</i> , 2020, 381, 122689.	6.6	74
1952	Structure and activity of activated carbon functionalized with maleic anhydride by diels-alder reaction. <i>Catalysis Today</i> , 2020, 357, 409-415.	2.2	5
1953	Effects of functional group concentration, type, and configuration on their saturation of methanol adsorption on functionalized graphite. <i>Applied Surface Science</i> , 2020, 501, 144121.	3.1	8
1954	Phosphorus-containing carbons: Preparation, properties and utilization. <i>Carbon</i> , 2020, 157, 796-846.	5.4	100
1955	Waste-derived compost and biochar amendments for stormwater treatment in bioretention column: Co-transport of metals and colloids. <i>Journal of Hazardous Materials</i> , 2020, 383, 121243.	6.5	75
1956	Modeling and optimization of process parameters in elucidating the adsorption mechanism of Gallic acid on activated carbon prepared from date stones. <i>Separation Science and Technology</i> , 2020, 55, 3113-3125.	1.3	26
1957	Electrochemically Tunable Proton-Coupled Electron Transfer in Pd-Catalyzed Benzaldehyde Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1501-1505.	7.2	53

#	ARTICLE	IF	CITATIONS
1958	Electrochemically Tunable Proton-Coupled Electron Transfer in Pd-Catalyzed Benzaldehyde Hydrogenation. <i>Angewandte Chemie</i> , 2020, 132, 1517-1521.	1.6	18
1959	Small and Narrowly Distributed Copper Nanoparticles Supported on Carbon Prepared by Surface Organometallic Chemistry for Selective Hydrogenation and CO ₂ Electroconversion Processes. <i>ChemCatChem</i> , 2020, 12, 305-313.	1.8	9
1960	Metal-Organic Frameworks (MOFs) and MOF-Derived Porous Carbon Materials for Sustainable Adsorptive Wastewater Treatment. , 2020, , 163-194.		17
1961	Mechanism of negative surface charge formation on biochar and its effect on the fixation of soil Cd. <i>Journal of Hazardous Materials</i> , 2020, 384, 121370.	6.5	142
1962	High-efficiency removal capacities and quantitative sorption mechanisms of Pb by oxidized rape straw biochars. <i>Science of the Total Environment</i> , 2020, 699, 134262.	3.9	54
1963	Utilization of carbon dioxide onto activated carbon fibers for surface modification. <i>Carbon Letters</i> , 2020, 30, 99-105.	3.3	5
1964	Effect of Biochar on 17 β -Estradiol Degradation in Composted Poultry Manure: Residue and Bioassay Analysis. <i>Waste and Biomass Valorization</i> , 2020, 11, 4711-4720.	1.8	3
1965	Hydrogen sulfide removal from the waste gas of phosphoric acid plant. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, 13304.	1.3	3
1966	Synergistic use of biochar and acidified manure for improving growth of maize in chromium contaminated soil. <i>International Journal of Phytoremediation</i> , 2020, 22, 52-61.	1.7	42
1967	Influence factors and mechanism of selective catalytic reduction of NO in the flue gas over activated coke. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020, 42, 3035-3044.	1.2	4
1968	Use of <i>Bacillus-siamensis</i> -inoculated biochar to decrease uptake of dibutyl phthalate in leafy vegetables. <i>Journal of Environmental Management</i> , 2020, 253, 109636.	3.8	35
1969	Effects of ball milling on the photochemistry of biochar: Enrofloxacin degradation and possible mechanisms. <i>Chemical Engineering Journal</i> , 2020, 384, 123311.	6.6	103
1970	The past, present and future of carbon black as a rubber reinforcing filler – A review. <i>Journal of Cleaner Production</i> , 2020, 247, 119115.	4.6	164
1971	From Molecular Precursors to Nanoparticles – Tailoring the Adsorption Properties of Porous Carbon Materials by Controlled Chemical Functionalization. <i>Advanced Functional Materials</i> , 2020, 30, 1908371.	7.8	57
1972	Development of activated carbon pellets using a facile low-cost binder for effective malachite green dye removal. <i>Journal of Cleaner Production</i> , 2020, 253, 119970.	4.6	54
1973	Sugarcane biomass colonized by <i>Pleurotus ostreatus</i> for red 4B dye removal: a sustainable alternative. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 2611-2623.	1.2	3
1974	Biochars derived from crop straws increased the availability of applied phosphorus fertilizer for maize in Ultisol and Oxisol. <i>Environmental Science and Pollution Research</i> , 2020, 27, 5511-5522.	2.7	9
1975	2,4-dichlorophenoxyacetic acid (2,4-D) micropollutant herbicide removing from water using granular and powdered activated carbons: a comparison applied for water treatment and health safety. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2020, 55, 361-375.	0.7	9

#	ARTICLE	IF	CITATIONS
1976	In-situ polymerization and covalent modification on aramid fiber surface via direct fluorination for interfacial enhancement. <i>Composites Part B: Engineering</i> , 2020, 182, 107608.	5.9	48
1977	Construction of oxidized millimeter-sized hierarchically porous carbon spheres for U(VI) adsorption. <i>Chemical Engineering Journal</i> , 2020, 386, 123944.	6.6	50
1978	Synthesis, characterization, and performance of graphene oxide and phosphorylated graphene oxide as additive in water-based drilling fluids. <i>Applied Surface Science</i> , 2020, 506, 145005.	3.1	44
1979	Use of bone char prepared from an invasive species, pleco fish (<i>Pterygoplichthys</i> spp.), to remove fluoride and Cadmium(II) in water. <i>Journal of Environmental Management</i> , 2020, 256, 109956.	3.8	49
1980	Mechanism of orthophosphate (PO_4^{3-}) adsorption on different biochars. <i>Environmental Technology and Innovation</i> , 2020, 17, 100572.	3.0	47
1981	The amelioration effects of canola straw biochar on Ultisol acidity varied with the soil in which the feedstock crop was cultivated. <i>Journal of Soils and Sediments</i> , 2020, 20, 1424-1434.	1.5	8
1982	Catalytic conversion of toluene over a biochar bed under an inert atmosphere – The comparison of chars from different types of wood and the role of selected metals. <i>Fuel</i> , 2020, 279, 118468.	3.4	7
1983	Removal of Drugs in Polluted Waters with Char Obtained by Pyrolysis of Hair Waste from the Tannery Process. <i>ACS Omega</i> , 2020, 5, 24389-24402.	1.6	18
1984	Adsorption of organic pollutants from the aqueous phase using graphite as a model adsorbent. <i>Adsorption Science and Technology</i> , 2020, 38, 286-303.	1.5	7
1985	Use of a novel bio-magnetic nanocomposite synthesized from industrial tomato processing waste for methylene blue removal: sorption optimization, kinetic and isotherm studies. <i>Cellulose</i> , 2020, 27, 9577-9591.	2.4	0
1986	Oxidation modification of chitosan-based mesoporous carbon by soft template method and the adsorption and release properties of hydroxycamptothecin. <i>Scientific Reports</i> , 2020, 10, 15772.	1.6	17
1987	Design of Paracetamol Delivery Systems Based on Functionalized Ordered Mesoporous Carbons. <i>Materials</i> , 2020, 13, 4151.	1.3	8
1988	Hydrolysis of Oligosaccharides and Polysaccharides on Sulfonated Solid Acid Catalysts: Relations between Adsorption Properties and Catalytic Activities. <i>ACS Omega</i> , 2020, 5, 24964-24972.	1.6	16
1989	Aqueous nitrate ion adsorption/desorption by olive solid waste-based carbon activated using ZnCl_2 . <i>Sustainable Chemistry and Pharmacy</i> , 2020, 18, 100335.	1.6	22
1990	Low-cost biomass for the treatment of landfill leachate from Fez City: application of a combined coagulation-adsorption process. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2020, 5, 1.	0.6	14
1991	Oxygen-promoted hydrogen adsorption on activated and hybrid carbon materials. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 30767-30782.	3.8	25
1992	Lignocellulose materials for supercapacitor and battery electrodes: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110345.	8.2	73
1993	CsPbI_2Br Perovskite Solar Cells Based on Carbon Black-Containing Counter Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34882-34889.	4.0	47

#	ARTICLE	IF	CITATIONS
1994	Coupled Adsorption and Electrochemical Process for Copper Recovery from Wastewater Using Grapefruit Peel. <i>Journal of Environmental Engineering, ASCE</i> , 2020, 146, 04020100.	0.7	5
1995	<i>Bioremediation and Biotechnology, Vol 3.</i> , 2020, , .		3
1996	Performance Loss of Activated Carbon Electrodes in Capacitive Deionization: Mechanisms and Material Property Predictors. <i>Environmental Science & Technology</i> , 2020, 54, 15516-15526.	4.6	28
1997	Activated Carbon from Renewable Sugarcane Straw: Support for Ru catalyst in glycerol hydrogenolysis to 1,2 Propanediol, Ethyleneglycol and Propanols. <i>ChemistrySelect</i> , 2020, 5, 13376-13386.	0.7	4
1998	Enhancing water adsorption capacity of acorn nutshell based activated carbon for adsorption thermal energy storage application. <i>Energy Reports</i> , 2020, 6, 255-263.	2.5	34
1999	A comparative study of carbon nanotube characteristics synthesized from various biomass precursors through hydrothermal techniques and their potential applications. <i>Chemical Engineering Communications</i> , 2022, 209, 127-139.	1.5	3
2000	The Influence of Carbon Nature on the Catalytic Performance of Ru/C in Levulinic Acid Hydrogenation with Internal Hydrogen Source. <i>Molecules</i> , 2020, 25, 5362.	1.7	6
2001	Synthesis and evaluation of activated carbon from rice husks for removal of humic acid from water. <i>Biomass Conversion and Biorefinery</i> , 2020, , 1.	2.9	17
2002	A statistical approach to optimize the activated carbon production from Kraft lignin based on conventional and microwave processes. <i>Microporous and Mesoporous Materials</i> , 2020, 308, 110485.	2.2	32
2003	Proton uptake behaviors of organic and inorganic matters in biochars prepared under different pyrolytic temperatures. <i>Science of the Total Environment</i> , 2020, 746, 140853.	3.9	6
2004	Modification of corn stalk using citric acid as biosorbent for methylene blue and malachite green. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 456, 012015.	0.2	2
2005	Predicting the Adsorption of Indoor VOCs onto Commercial Activated Carbon Based on Linear Solvation Energy Relationship. <i>Journal of Environmental Engineering, ASCE</i> , 2020, 146, 04020113.	0.7	2
2006	Characterisation, adsorption and desorption of ammonium and nitrate of biochar derived from different feedstocks. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 774-787.	1.2	23
2007	Review of Carbon Fixation Evaluation and Emission Reduction Effectiveness for Biochar in China. <i>Energy & Fuels</i> , 2020, 34, 10583-10606.	2.5	39
2008	Emulsified oil separation by bioadsorption: a sustainable proposal. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 774-787.	1.2	1
2009	Proper Adhesive Choice Increases Photothermal Float Durability in Mine Water Disposal Applications. <i>Mine Water and the Environment</i> , 2020, 39, 724-734.	0.9	1
2010	Experimental and simulation study of the effect of surface functional groups decoration on CH ₄ and H ₂ storage capacity of microporous carbons. <i>Applied Surface Science</i> , 2020, 533, 147487.	3.1	18
2011	Characterization of structural and chemical modifications during the steam activation of activated carbons. <i>Microporous and Mesoporous Materials</i> , 2020, 309, 110549.	2.2	14

#	ARTICLE	IF	CITATIONS
2012	Comparative Study of Toluene and Hexane Adsorption on Activated Carbons From Gas and Liquid Phase. Enthalpy and Isotherms. <i>Frontiers in Environmental Chemistry</i> , 2020, 1, .	0.7	3
2013	Sorption mechanisms of lead on soil-derived black carbon formed under varying cultivation systems. <i>Chemosphere</i> , 2020, 261, 128220.	4.2	5
2014	Adsorption Separation of Cr(VI) from a Water Phase Using Multiwalled Carbon Nanotube-Immobilized Ionic Liquids. <i>ACS Omega</i> , 2020, 5, 22827-22839.	1.6	19
2015	Modification of bituminous coal by air oxidation to increase ammonia capture. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020, 151, 104930.	2.6	7
2016	Carbon material-supported Fe ₇ C ₃ @FeO nanoparticles: a highly efficient catalyst for carbon dioxide reduction with 1-butene. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 2101-2108.	1.9	2
2017	Effect of Maize Straw-Derived Biochar on Calcareous Arable Soil Organic Carbon Mineralization Under the Condition of with or Without Nitrogen-Fertilizer Addition. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 2606-2616.	1.7	3
2018	Effect of Oxygen for Enhancing the Gas Storage Performance of Activated Green Carbon. <i>Energies</i> , 2020, 13, 3893.	1.6	2
2019	Analysis of the Nanoparticle Dispersion and Its Effect on the Crystalline Microstructure in Carbon-Additivated PA12 Feedstock Material for Laser Powder Bed Fusion. <i>Materials</i> , 2020, 13, 3312.	1.3	17
2020	Adsorption Mechanisms and Characteristics of Hg ²⁺ Removal by Different Fractions of Biochar. <i>Water (Switzerland)</i> , 2020, 12, 2105.	1.2	34
2021	Conversion of Xylose to Furfural over Lignin-Based Activated Carbon-Supported Iron Catalysts. <i>Catalysts</i> , 2020, 10, 821.	1.6	15
2022	Catalytic Dehydrogenation on Carbon. <i>Solid Fuel Chemistry</i> , 2020, 54, 345-353.	0.2	3
2023	Propane dehydrogenation to propylene on oxidized carbon black. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
2024	Synthesis and comparison studies of activated carbons based folium cycas for ciprofloxacin adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 606, 125519.	2.3	14
2025	Sulfamethoxazole Removal from Drinking Water by Activated Carbon: Kinetics and Diffusion Process. <i>Molecules</i> , 2020, 25, 4656.	1.7	20
2026	Highly Selective Hydrogen Peroxide Electrosynthesis on Carbon: In Situ Interface Engineering with Surfactants. <i>CheM</i> , 2020, 6, 1443-1458.	5.8	141
2027	High adsorption capacity of nitrobenzene from aqueous solution using activated carbons prepared from vegetable waste. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, e13463.	1.3	10
2028	Chemistry of H ₂ S over the surface of Common solid sorbents in industrial natural gas desulfurization. <i>Catalysis Today</i> , 2021, 371, 204-220.	2.2	39
2029	Phosphoric Acid Activated Carbon from Melia azedarach Waste Sawdust for Adsorptive Removal of Reactive Orange 16: Equilibrium Modelling and Thermodynamic Analysis. <i>Molecules</i> , 2020, 25, 2118.	1.7	17

#	ARTICLE	IF	CITATIONS
2030	Enhanced nitrogen retention by lignite during poultry litter composting. <i>Journal of Cleaner Production</i> , 2020, 277, 122422.	4.6	36
2031	Isophthalic acid production catalyzed by Co(II) together with phosphotungstic acid loaded on carbon modified with tartaric acid. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 3280-3291.	1.6	1
2032	Biochar production and characterization as a measure for effective rapeseed residue and rice straw management: an integrated spectroscopic examination. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 2687-2696.	2.9	10
2033	Adsorption of Pharmaceutical Aromatic Pollutants on Heat-Treated Activated Carbons: Effect of Carbonaceous Structure and the Adsorbent-Adsorbate Interactions. <i>ACS Omega</i> , 2020, 5, 15247-15256.	1.6	25
2034	Enhancing phosphorus availability in two variable charge soils by the amendments of crop straw biochars. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	4
2035	Phosphate recovery from an aqueous solution through adsorption-desorption cycle over thermally treated activated carbon. <i>Journal of Water Process Engineering</i> , 2020, 36, 101302.	2.6	17
2036	Fenton-driven oxidation of contaminant-spent granular activated carbon (GAC): GAC selection and implications. <i>Science of the Total Environment</i> , 2020, 734, 139435.	3.9	16
2037	Valorization of solid wastes from <i>Dittrichia</i> essential oil extraction as biosorbents for cadmium removal: biosorbent characterizations and isotherm modeling. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 4611-4622.	1.8	5
2038	Investigating the properties of humins foams, the porous carbonaceous materials derived from biorefinery by-products. <i>Applied Materials Today</i> , 2020, 20, 100622.	2.3	10
2039	Sequestration effect and mechanism of PCB1 by high-temperature black carbon. <i>Environmental Science and Pollution Research</i> , 2020, 27, 31516-31526.	2.7	6
2040	Application of Boehm Titration for the Quantitative Measurement of Soot Oxygen Functional Groups. <i>Energy & Fuels</i> , 2020, 34, 7363-7372.	2.5	26
2041	Preparation of sulfonated carbon-based catalysts from murumuru kernel shell and their performance in the esterification reaction. <i>RSC Advances</i> , 2020, 10, 20245-20256.	1.7	82
2042	Chemical regeneration of granular activated carbon: preliminary evaluation of alternative regenerant solutions. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2043-2056.	1.2	46
2043	Azo dye removal by acid pretreated biomass and its regeneration by visible light photocatalysis with incorporated CuO. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 327-344.	1.2	6
2044	Interactive effect of pH and cation valence in background electrolyte solutions on simazine sorption to <i>Miscanthus</i> biochar produced at two different pyrolysis temperatures. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 456-465.	1.2	9
2045	Simultaneous Catalysis of Sulfite Oxidation and Uptake of Heavy Metals by Bifunctional Activated Carbon Fiber in Magnesia Desulfurization. <i>Catalysts</i> , 2020, 10, 244.	1.6	6
2046	2,4-D adsorption from agricultural subsurface drainage by canola stalk-derived activated carbon: insight into the adsorption kinetics models under batch and column conditions. <i>Environmental Science and Pollution Research</i> , 2020, 27, 16983-16997.	2.7	30
2047	A Comprehensive review on the hierarchical performances of eco-friendly and functionally advanced modified and recyclable carbon materials. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 1521-1537.	1.2	5

#	ARTICLE	IF	CITATIONS
2048	Highly sensitive and reproducible quantification of oxygenated surface groups on carbon nanomaterials. <i>Carbon</i> , 2020, 163, 56-62.	5.4	24
2049	Adsorption of organic and inorganic pollutants on activated bio-carbons prepared by chemical activation of residues of supercritical extraction of raw plants. <i>Chemical Engineering Journal</i> , 2020, 393, 124785.	6.6	49
2050	Comprehensive magnetic resonance characteristics of carbon-encapsulated iron nanoparticles: a new frontier for the core-shell type contrast agents. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	5
2051	Annealing of Strontium Titanate Based Thermoelectric Materials by Graphite: Mechanistic Analysis by Spectroscopic and Chromatographic Techniques. <i>ChemPlusChem</i> , 2020, 85, 734-741.	1.3	6
2052	Enhancing Performance of Capacitive Deionization with Polyelectrolyte-Infiltrated Electrodes: Theory and Experimental Validation. <i>Environmental Science & Technology</i> , 2020, 54, 5874-5883.	4.6	23
2053	Influence of Dimethylsulfoxide and Dioxygen in the Fructose Conversion to 5-Hydroxymethylfurfural Mediated by Glycerol's Acidic Carbon. <i>Frontiers in Chemistry</i> , 2020, 8, 263.	1.8	22
2054	Vacuum-tight ceramic composite materials based on alumina modified with multi-walled carbon nanotubes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 254, 114508.	1.7	9
2055	Impact of Highly Stable Catalyst Support Materials on Polymer Electrolyte Membrane Fuel Cell Performance. <i>Energy Technology</i> , 2020, 8, 2000081.	1.8	8
2056	Consistency of NVT, NPT, μ VT and Gibbs (NV2T and NPT) with kinetic Monte Carlo schemes. <i>Chemical Engineering Journal</i> , 2020, 401, 126056.	6.6	12
2057	Chemical and physical characterization of rice husk biochar and ashes and their iron adsorption capacity. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	13
2058	Influence of ash-soot interactions on the reactivity of soot from a gasoline direct injection engine. <i>Aerosol Science and Technology</i> , 2020, 54, 1373-1385.	1.5	6
2059	Carbon black reborn: Structure and chemistry for renewable energy harnessing. <i>Carbon</i> , 2020, 162, 604-649.	5.4	156
2060	Enhanced removal of aqueous Cd(II) by a biochar derived from salt-sealing pyrolysis coupled with NaOH treatment. <i>Applied Surface Science</i> , 2020, 511, 145619.	3.1	42
2061	Acid functionalized carbons as catalyst for glycerol etherification with benzyl alcohol. <i>Brazilian Journal of Chemical Engineering</i> , 2020, 37, 129-137.	0.7	9
2062	Influence of surface chemistry of activated carbon electrodes on electro-assisted adsorption of arsenate. <i>Journal of Hazardous Materials</i> , 2020, 392, 122349.	6.5	15
2063	Effect of pyrolysis conditions on bone char characterization and its ability for arsenic and fluoride removal. <i>Environmental Pollution</i> , 2020, 262, 114221.	3.7	63
2064	Unveiling one-pot scalable fabrication of reusable carboxylated heterogeneous carbon-based catalysts from eucalyptus plant with the assistance of dry ice for selective hydrolysis of eucalyptus biomass. <i>Renewable Energy</i> , 2020, 153, 998-1004.	4.3	27
2065	Thermodynamics and kinetics of the removal of nickel (II) ions from aqueous solutions by biochar adsorbent made from agro-waste walnut shells. <i>Journal of Molecular Liquids</i> , 2020, 312, 112788.	2.3	59

#	ARTICLE	IF	CITATIONS
2066	Effects of pretreated carbon supports in Pd/C catalysts on rosin disproportionation catalytic performance. <i>Chemical Engineering Science</i> , 2020, 216, 115588.	1.9	10
2067	Element-Doped Functional Carbon-Based Materials. <i>Materials</i> , 2020, 13, 333.	1.3	8
2068	Carbon science perspective in 2020: Current research and future challenges. <i>Carbon</i> , 2020, 161, 373-391.	5.4	77
2069	Adsorption onto ACFC of mixture of pharmaceutical residues in water – experimental studies and modelling. <i>Environmental Technology (United Kingdom)</i> , 2020, 42, 1-11.	1.2	4
2070	Influence of protein internal stability on its removal mechanism from aqueous solutions using eco-friendly horsetail herb-based engineered biochar. <i>Chemical Engineering Journal</i> , 2020, 388, 124156.	6.6	14
2071	Solid acid catalysts produced by sulfonation of petroleum coke: Dominant role of aromatic hydrogen. <i>Chemosphere</i> , 2020, 248, 125981.	4.2	18
2072	Optimization of biodiesel production using sulfonated carbon-based catalyst from an amazon agro-industrial waste. <i>Energy Conversion and Management</i> , 2020, 205, 112457.	4.4	102
2073	Understanding the chemical structure of carbon edge sites by using deuterium-labeled temperature-programmed desorption technique. <i>Carbon</i> , 2020, 161, 343-349.	5.4	29
2074	Enthalpic characterization of activated carbons with different surface chemistry with organic solvents and water. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 1511-1522.	2.0	2
2075	The correlation between diesel soot chemical structure and reactivity. <i>Carbon</i> , 2020, 161, 736-749.	5.4	42
2076	Arsenic Elimination from Water Solutions by Adsorption on Bone Char. Effect of Operating Conditions and Removal from Actual Drinking Water. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	15
2077	Physical functionalization of multi-walled carbon nanotubes for enhanced dispersibility in aqueous medium. <i>Emergent Materials</i> , 2020, 3, 25-32.	3.2	25
2078	Kinetic and thermodynamic study of n-pentane adsorption on activated carbons modified by either carbonization or impregnation with ammonium hydroxide. <i>Microporous and Mesoporous Materials</i> , 2020, 302, 110196.	2.2	13
2079	Microwave-Assisted Preparation of Activated Carbon Modified by Zinc Chloride as a Packing Material for Column Separation of Saccharides. <i>ACS Omega</i> , 2020, 5, 10106-10114.	1.6	13
2080	Immersion enthalpy of activated carbons with different oxygen content in toluene-hexane mixtures. <i>Journal of Molecular Liquids</i> , 2020, 310, 113140.	2.3	1
2081	Identifying the function of activated carbon surface chemical properties in the removability of two common odor compounds. <i>Water Research</i> , 2020, 178, 115797.	5.3	21
2082	Enhanced electrosorption capacity of activated carbon electrodes for deionized water production through capacitive deionization. <i>Separation and Purification Technology</i> , 2020, 247, 116998.	3.9	45
2083	Adsorption of Cibacron Yellow F-4G dye onto activated carbons obtained from peanut hull and rice husk: kinetics and equilibrium studies. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 323-339.	2.9	14

#	ARTICLE	IF	CITATIONS
2084	Stretchable conductor based on carbon nanotube/carbon black silicone rubber nanocomposites with highly mechanical, electrical properties and strain sensitivity. <i>Composites Part B: Engineering</i> , 2020, 191, 107979.	5.9	86
2085	Enhanced removal of organic pollutants from super heavy oil wastewater using specially modified lignite activated coke. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1606-1614.	1.2	3
2086	Biosorptive Removal of Cadmium(II) and Copper(II) Using Microwave-Assisted Thiourea-Modified <i>Sorghum bicolor</i> Agrowaste. <i>Journal of Chemistry</i> , 2020, 2020, 1-11.	0.9	7
2087	Extraction of copper, zinc and cadmium from copper-cadmium-bearing slag by oxidative acid leaching process. <i>Rare Metals</i> , 2021, 40, 1-10.	3.6	26
2088	Removal of CO ₂ in a multi stage fluidised bed reactor by monoethanolamine impregnated activated carbon. <i>Mineral Processing and Extractive Metallurgy: Transactions of the Institute of Mining and Metallurgy</i> , 2021, 130, 98-104.	0.1	6
2089	Removal of fluoroquinolone antibiotics using actinia-shaped lignin-based adsorbents: Role of the length and distribution of branched-chains. <i>Journal of Hazardous Materials</i> , 2021, 403, 123603.	6.5	25
2090	Catalytic Oxidation of NO on N-doped Carbon Materials at Low Temperature. <i>Catalysis Letters</i> , 2021, 151, 487-496.	1.4	10
2091	Adsorption of ibuprofen, ketoprofen, and paracetamol onto activated carbon prepared from effluent treatment plant sludge of the beverage industry. <i>Chemosphere</i> , 2021, 262, 128322.	4.2	168
2092	The critical contribution of oxidation debris on the acidic properties of graphene oxide in an aqueous solution. <i>Journal of Hazardous Materials</i> , 2021, 402, 123552.	6.5	13
2093	Simple and eco-friendly thermal regeneration of granular activated carbon from the odour control system of a full-scale WWTP: Study of the process in oxidizing atmosphere. <i>Separation and Purification Technology</i> , 2021, 255, 117782.	3.9	9
2094	Self-adjusted bimetallic zeolitic-imidazolate framework-derived hierarchical magnetic carbon composites as efficient adsorbent for optimizing drug contaminant removal. <i>Chemosphere</i> , 2021, 263, 128101.	4.2	50
2095	A novel porous carbon derived from CO ₂ for high-efficient tetracycline adsorption: Behavior and mechanism. <i>Applied Surface Science</i> , 2021, 538, 148110.	3.1	21
2096	Experimental and DFT investigation of ceria-nanocomposite decorated AC derived from groundnut shell for efficient removal of methylene-blue from wastewater effluent. <i>Applied Surface Science</i> , 2021, 536, 147749.	3.1	40
2097	Removal of heavy metal ions from water using adsorbents from agro waste materials. <i>Materials Today: Proceedings</i> , 2021, 45, 1794-1798.	0.9	12
2098	Characterizing and mitigating the degradation of oxidized cathodes during capacitive deionization cycling. <i>Carbon</i> , 2021, 173, 1105-1114.	5.4	29
2099	Efficient removal of volatile organic compound by ball-milled biochars from different preparing conditions. <i>Journal of Hazardous Materials</i> , 2021, 406, 124676.	6.5	71
2100	Experimental design via NaOH activation process and statistical analysis for activated sugarcane bagasse hydrochar for removal of dye and antibiotic. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104829.	3.3	29
2101	Stabilization of heterogeneous hydrogenation catalysts for the aqueous-phase reactions of renewable feedstocks. <i>Chinese Journal of Catalysis</i> , 2021, 42, 694-709.	6.9	8

#	ARTICLE	IF	CITATIONS
2102	Overcoming the paracetamol dose challenge with wrinkled mesoporous carbon spheres. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 673-682.	5.0	25
2103	Fabrication of Zn ₃ (PO ₄) ₂ /carbon nanotubes nanocomposite thin film via sol-gel drop coating method with enhanced photocatalytic activity. <i>Thin Solid Films</i> , 2021, 717, 138472.	0.8	19
2104	Activated carbon synthesized from Sargassum (sp) for adsorption of caffeine: Understanding the adsorption mechanism using molecular modeling. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104795.	3.3	27
2105	H ₃ PO ₄ activated carbon fibers of high surface area from banana tree pseudo-stem fibers: Adsorption studies of methylene blue dye in batch and fixed bed systems. <i>Journal of Molecular Liquids</i> , 2021, 324, 114771.	2.3	53
2106	The removal of Pb ²⁺ from aqueous solution using mangosteen peel activated carbon: Isotherm, kinetic, thermodynamic and binding energy calculation. <i>Groundwater for Sustainable Development</i> , 2021, 12, 100524.	2.3	22
2107	Experimental probing of effects of carbon support on bulk and local oxygen transport resistance in ultra-low Pt PEMFCs. <i>International Journal of Heat and Mass Transfer</i> , 2021, 164, 120549.	2.5	28
2108	Efficient removal of tetracycline from aqueous solution by covalent organic frameworks derived porous carbon. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104842.	3.3	25
2109	Microporous activated carbon prepared from yarn processing sludge via composite chemical activation for excellent adsorptive removal of malachite green. <i>Surfaces and Interfaces</i> , 2021, 22, 100832.	1.5	13
2110	Electrocatalytic Oxygen Reduction to Hydrogen Peroxide: From Homogeneous to Heterogeneous Electrocatalysis. <i>Advanced Energy Materials</i> , 2021, 11, 2003323.	10.2	150
2111	Quantification and prediction of water uptake by soot deposited on ventilation filters during fire events. <i>Journal of Hazardous Materials</i> , 2021, 403, 123916.	6.5	5
2112	Activated carbon from peanut shells: 2,4-D desorption kinetics study for application as a green material for analytical purposes. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104601.	3.3	16
2113	Integral evaluation of granular activated carbon at four stages of a full-scale WWTP deodorization system. <i>Science of the Total Environment</i> , 2021, 754, 142237.	3.9	12
2114	Properties change of activated coke for sintering flue gas purification in cyclic removal of SO ₂ and NO _x . <i>Journal of Iron and Steel Research International</i> , 2021, 28, 641-650.	1.4	3
2115	Understanding and Tuning the Electrical Conductivity of Activated Carbon: A State-of-the-Art Review. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2021, 46, 1-37.	6.8	51
2116	Carbon-based materials approach for environmental sensing. , 2021, , 77-106.		1
2117	Carbon-based electrodes for perovskite solar cells. <i>Materials Advances</i> , 2021, 2, 5560-5579.	2.6	49
2118	Control of hydrogen release during borohydride electrooxidation with porous carbon materials. <i>RSC Advances</i> , 2021, 11, 15639-15655.	1.7	9
2119	Biogas Residue Biochar Enhances Thermophilic Anaerobic Co-Digestion of Sewage Sludge and Food Waste. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
2120	Preparation and Characterization of the Sulfur-Impregnated Natural Zeolite Clinoptilolite for Hg(II) Removal from Aqueous Solutions. <i>Processes</i> , 2021, 9, 217.	1.3	8
2121	Tackling the acute radiation syndrome: Hemoperfusion with activated carbon revisited. <i>Medical Hypotheses</i> , 2021, 146, 110430.	0.8	2
2122	Nanobiochar: A sustainable solution for agricultural and environmental applications. , 2021, , 501-519.		3
2123	Investigating the cadmium adsorption capacities of crop straw biochars produced using various feedstocks and pyrolysis temperatures. <i>Environmental Science and Pollution Research</i> , 2021, 28, 21516-21527.	2.7	6
2124	Role of CO ₂ During Oxidative Dehydrogenation of Propane Over Bulk and Activated-Carbon Supported Cerium and Vanadium Based Catalysts. <i>Catalysis Letters</i> , 2021, 151, 2816-2832.	1.4	14
2125	Phosphotungstic acid on activated carbon: A remarkable catalyst for 5-hydroxymethylfurfural production. <i>Molecular Catalysis</i> , 2021, 500, 111334.	1.0	13
2126	Analysis of effect of modification of silica and carbon black co-filled rubber composite on mechanical properties. <i>E-Polymers</i> , 2021, 21, 279-288.	1.3	14
2127	Computer Simulation and Experimental Studies of Various Environmental Gases (NH ₃ , CH ₂ O, SO ₂ , H ₂ S,) Tj ETQq1 1 0.784314 rgBT /Ov 0.3 2	0.3	2
2128	Superparamagnetic behaviour of metallic Co nanoparticles according to variable temperature magnetic resonance. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 2723-2730.	1.3	10
2129	Sustainable Approaches for the Treatment of Industrial Wastewater Using Metal-Organic Frame Works. <i>Advanced Sciences and Technologies for Security Applications</i> , 2021, , 463-493.	0.4	0
2130	Pharmaceuticals in water: Equilibrium and thermodynamics for adsorption on activated carbon for wastewater treatment. , 2021, , 279-311.		0
2131	Nature of Carbon Black Reinforcement of Rubber: Perspective on the Original Polymer Nanocomposite. <i>Polymers</i> , 2021, 13, 538.	2.0	105
2132	Removal of NO ₂ from gas stream by activated bio-carbons from physical activation of residue of supercritical extraction of hops. <i>Chemical Engineering Research and Design</i> , 2021, 166, 67-73.	2.7	16
2133	Biomass pyrolysis technologies for value-added products: a state-of-the-art review. <i>Environment, Development and Sustainability</i> , 2021, 23, 14324-14378.	2.7	77
2134	Adsorption behaviors of phenol onto gasification residual cokes with different structural and surface properties. <i>Environmental Progress and Sustainable Energy</i> , 2021, 40, e13619.	1.3	2
2135	Physicochemical Parameters of the Methylparaben Adsorption from Aqueous Solution Onto Activated Carbon and Their Relationship with the Surface Chemistry. <i>ACS Omega</i> , 2021, 6, 8797-8807.	1.6	8
2136	Differential-Scanning Calorimetry of Graphite and Activated Carbon in Argon. <i>Solid Fuel Chemistry</i> , 2021, 55, 105-109.	0.2	0
2137	Pore Formation Mechanism and Sorption Studies Using Activated Carbon from <i>Gleditsia triacanthos</i>. <i>Chemical Engineering and Technology</i> , 2021, 44, 892-900.	0.9	9

#	ARTICLE	IF	CITATIONS
2138	Potassium struvite (slow release fertilizer) and activated carbon production: Resource recovery from vinasse and grape marc organic waste using thermal processing. <i>Chemical Engineering Research and Design</i> , 2021, 147, 1077-1087.	2.7	21
2139	Biochar Chemistry in a Weathered Tropical Soil: Kinetics of Phosphorus Sorption. <i>Agriculture (Switzerland)</i> , 2021, 11, 295.	1.4	5
2140	Correlation between the surface characteristics of carbon supports and their electrochemical stability and performance in fuel cell cathodes. , 2021, 3, 654-665.		26
2141	Adsorption, viscosity and thermal behaviour of nanosized proteins with different internal stability immobilised on the surface of mesoporous activated biocarbon obtained from the horsetail herb precursor. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 1323-1336.	1.6	5
2142	Steam-activated carbon from malt bagasse: Optimization of preparation conditions and adsorption studies of sunset yellow food dye. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103001.	2.3	37
2143	Identification of the Physicochemical Factors Involved in the Dye Separation via Methionine-Functionalized Mesoporous Carbons. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100013.	2.7	3
2144	Disassembly of lignocellulose into cellulose, hemicellulose, and lignin for preparation of porous carbon materials with enhanced performances. <i>Journal of Hazardous Materials</i> , 2021, 408, 124956.	6.5	54
2145	Modified activated carbon by air oxidation as a potential adsorbent for furfural removal. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 2325-2333.	3.4	14
2146	Biosorption of hexavalent chromium and Congo red dye onto <i>Pleurotus mutilus</i> biomass in aqueous solutions. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 2477-2492.	1.8	11
2148	Enhancement of Cd(II) adsorption by rice straw biochar through oxidant and acid modifications. <i>Environmental Science and Pollution Research</i> , 2021, 28, 42787-42797.	2.7	23
2149	On the hydrothermal-enhanced synthesis of highly selective Mo ₂ C catalysts to fully deoxygenated products in the guaiacol HDO reaction. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105146.	3.3	12
2150	Effectively removing tetracycline from water by nanoarchitected carbons derived from CO ₂ : Structure and surface chemistry influence. <i>Environmental Research</i> , 2021, 195, 110883.	3.7	5
2151	Selective adsorption of ofloxacin and ciprofloxacin from a binary system using lignin-based adsorbents: Quantitative analysis, adsorption mechanisms, and structure-activity relationship. <i>Science of the Total Environment</i> , 2021, 765, 144427.	3.9	46
2152	The dominant effect of black carbon on the chemical degradability of PCB1: Sequestration or/and catalysis. <i>Science of the Total Environment</i> , 2021, 770, 145265.	3.9	10
2153	Study of the chemical pretreatment of a nonconventional low-cost biosorbent (<i>Callitriche</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 187 Td</i> <i>Environmental Integration</i> , 2021, 6, 1.	0.6	7
2154	A New Approach for Controlling Mesoporosity in Activated Carbon by the Consecutive Process of Air Oxidation, Thermal Destruction of Surface Functional Groups, and Carbon Activation (the OTA) <i>Tj ETQq1 1 0.7843 14 rgBT /Overlock 10</i>		
2155	Amino-functional biocarbon with CO ₂ -responsive property for removing copper(II) ions from aqueous solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 616, 126304.	2.3	9
2156	Adsorption of Alizarin Red onto Carbon Black. <i>Russian Journal of Applied Chemistry</i> , 2021, 94, 601-606.	0.1	2

#	ARTICLE	IF	CITATIONS
2157	Enhancement of photocatalytic activity of TiO ₂ by immobilization on activated carbon for degradation of aquatic naphthalene under sunlight irradiation. <i>Chemical Engineering Journal</i> , 2021, 412, 128498.	6.6	52
2158	Carboxin and Diuron Adsorption Mechanism on Sunflower Husks Biochar and Goethite in the Single/Mixed Pesticide Solutions. <i>Materials</i> , 2021, 14, 2584.	1.3	13
2159	Insights into Equilibrium and Adsorption Rate of Phenol on Activated Carbon Pellets Derived from Cigarette Butts. <i>Processes</i> , 2021, 9, 934.	1.3	9
2160	Employing waste to manage waste: Utilizing waste biomaterials for the elimination of hazardous contaminant [Cr(VI)] from aqueous matrices. <i>Journal of Contaminant Hydrology</i> , 2021, 239, 103775.	1.6	9
2161	A novel maize biochar-based compound fertilizer for immobilizing cadmium and improving soil quality and maize growth. <i>Environmental Pollution</i> , 2021, 277, 116455.	3.7	35
2162	Functionalization of carbons for Pt electrocatalyst in PEMFC. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 17871-17885.	3.8	17
2163	Quantitative Surface Characterization of As-Grown and Acid-Treated Single-Walled Carbon Nanotubes: Implications for Functional Materials. <i>ACS Applied Nano Materials</i> , 2021, 4, 5273-5284.	2.4	9
2164	Oxytetracycline Adsorption from Aqueous Solutions on Commercial and High-Temperature Modified Activated Carbons. <i>Energies</i> , 2021, 14, 3481.	1.6	15
2165	Modified Exfoliated Carbon Nanoplatelets as Sorbents for Ammonium from Natural Mineral Waters. <i>Molecules</i> , 2021, 26, 3541.	1.7	3
2166	The use of reactive binder for carbon-based oxygen reduction reaction catalyst in neutral medium. <i>Electrochimica Acta</i> , 2021, 380, 138155.	2.6	2
2167	Oxygen and nitrogen-functionalized porous carbon particles derived from hazelnut shells for the efficient catalytic hydrogen production reaction. <i>Biomass and Bioenergy</i> , 2021, 149, 106072.	2.9	37
2168	Pyrolysis temperature affects phosphorus availability of rice straw and canola stalk biochars and biochar-amended soils. <i>Journal of Soils and Sediments</i> , 2021, 21, 2817.	1.5	8
2169	The mechanism transformation of ramie biochar's cadmium adsorption by aging. <i>Bioresource Technology</i> , 2021, 330, 124947.	4.8	35
2170	Raw pomegranate peel as promise efficient biosorbent for the removal of Basic Red 46 dye: equilibrium, kinetic, and thermodynamic studies. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 8047-8060.	2.9	14
2171	Activated biochar derived from spent <i>Auricularia auricula</i> substrate for the efficient adsorption of cationic azo dyes from single and binary adsorptive systems. <i>Water Science and Technology</i> , 2021, 84, 101-121.	1.2	21
2172	Ultra-hydrophilic porous carbons and their supercapacitor performance using pure water as electrolyte. <i>Carbon</i> , 2021, 178, 540-551.	5.4	31
2173	Valorization and Evaluation of Terminalia Ivorensis Fibrous Waste for Its Environmental Sequestration Potential for Industrial Anionic Dyes in Aqua System. <i>Journal of Natural Fibers</i> , 0, , 1-18.	1.7	1
2174	Synthesis of Activated Carbon Using Bagasse and Recycled Carbon Fibers. <i>Chemical Engineering and Technology</i> , 2021, 44, 1618-1622.	0.9	5

#	ARTICLE	IF	CITATIONS
2175	An Open Gate for High-Density Metal Ions in N-Doped Carbon Networks: Powering Fe@N-C Catalyst Efficiency in the Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2021, 11, 8915-8928.	5.5	20
2176	Preparation and Characterization of Physicochemical Properties of Spruce Cone Biochars Activated by CO ₂ . <i>Materials</i> , 2021, 14, 3859.	1.3	19
2177	Biodiesel synthesis from waste cooking oil using heterogeneous acid catalyst: Statistical optimization using linear regression model. <i>Journal of Renewable and Sustainable Energy</i> , 2021, 13, .	0.8	9
2178	Functional CoFe ₂ O ₄ -modified biochar derived from banana pseudostem as an efficient adsorbent for the removal of amoxicillin from water. <i>Separation and Purification Technology</i> , 2021, 266, 118592.	3.9	65
2179	Effect of pore size and heterogeneous surface on the adsorption of CO ₂ , N ₂ , O ₂ , and Ar on carbon aerogel, RF aerogel, and activated carbons. <i>Microporous and Mesoporous Materials</i> , 2021, 322, 111089.	2.2	24
2180	Removal of non-steroidal anti-inflammatory drugs (NSAIDs) from water with activated carbons synthesized from waste murumuru (<i>Astrocaryum murumuru</i> Mart.): Characterization and adsorption studies. <i>Journal of Molecular Liquids</i> , 2021, 343, 116980.	2.3	20
2181	KOH modification effectively enhances the Cd and Pb adsorption performance of N-enriched biochar derived from waste chicken feathers. <i>Waste Management</i> , 2021, 130, 82-92.	3.7	61
2182	Laser-Induced Modification of Hydrogenated Detonation Nanodiamonds in Ethanol. <i>Nanomaterials</i> , 2021, 11, 2251.	1.9	3
2183	Sanky (<i>Corryocactus brevistylus</i>) Peel as Low-Cost Adsorbent for Removal of Phosphate from Aqueous Solutions. <i>Sustainability</i> , 2021, 13, 8994.	1.6	1
2184	Enhanced removal of bisphenol A using pine-fruit shell-derived hydrochars: Adsorption mechanisms and reusability. <i>Journal of Hazardous Materials</i> , 2021, 416, 126167.	6.5	33
2185	Trapping Rhodamine B dye using functionalized mango (<i>Mangifera indica</i>) pod. <i>Water Environment Research</i> , 2021, 93, 2308-2328.	1.3	9
2186	Abiotic reductive removal of organic contaminants catalyzed by carbon materials: A short review. <i>Water Environment Research</i> , 2021, 93, 2374-2390.	1.3	0
2187	Surface modification of activated carbon fiber by low-temperature oxygen plasma: Textural property, surface chemistry, and the effect of water vapor adsorption. <i>Chemical Engineering Journal</i> , 2021, 418, 129474.	6.6	66
2188	Utilizing Three Different Biochars for Attenuation of Toxic Acidic Mine Spoils Reflected by Lixivate Quality Vis-a-Vis Phyto-Toxicity on <i>Ocimum sanctum</i> and <i>Cassia angustifolia</i> . <i>Global Journal of Agricultural Innovation Research & Development</i> , 0, 8, 49-65.	0.2	0
2189	Molecular Insights into the Effect of Temperature and Functional Groups on the Nonwetting, Prewetting, Partial Wetting, and Complete Wetting Transitions of Ethanol on Graphite. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 13040-13051.	1.8	3
2190	Synergetic Effects of Graphene Nanoplatelets/Tapioca Starch on Water-Based Drilling Muds: Enhancements in Rheological and Filtration Characteristics. <i>Polymers</i> , 2021, 13, 2655.	2.0	5
2191	Elucidating the effects of oxygen- and nitrogen-containing functional groups in graphene nanomaterials for applied electrochemistry by density functional theory. <i>Journal of Applied Physics</i> , 2021, 130, .	1.1	2
2192	New insights into ball milling effects on MgAl-LDHs exfoliation on biochar support: A case study for cadmium adsorption. <i>Journal of Hazardous Materials</i> , 2021, 416, 126258.	6.5	46

#	ARTICLE	IF	CITATIONS
2193	High-Performance Pd/AC Catalyst for Meropenem Synthesis Based on Selective Surface Modification of Activated Carbon. <i>Catalysis Letters</i> , 2022, 152, 2078-2089.	1.4	3
2194	Carbon-based slurry electrodes for energy storage and power supply systems. <i>Energy Storage Materials</i> , 2021, 40, 461-489.	9.5	36
2195	Solvent-free solketal production from glycerol promoted by yeast activated carbons. <i>Fuel</i> , 2021, 299, 120923.	3.4	16
2196	Fast Production of Activated Carbon from Pomegranate Peels by Combining Microwave Heating and Phosphoric Acid Activation for Paracetamol Adsorption. <i>Environmental Engineering Science</i> , 2022, 39, 441-452.	0.8	4
2197	Removal of dissolved sulfides from synthetic and industrial solutions by activated carbon derived from Tunisian olive stone. <i>Environmental Progress and Sustainable Energy</i> , 0, , e13759.	1.3	1
2198	Use of activated carbon obtained from waste vine shoots in nickel adsorption in simulated stomach medium. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	2
2199	Acai seed ash as a novel basic heterogeneous catalyst for biodiesel synthesis: Optimization of the biodiesel production process. <i>Fuel</i> , 2021, 299, 120887.	3.4	60
2200	The Analysis of Pore Development and Formation of Surface Functional Groups in Bamboo-Based Activated Carbon during CO ₂ Activation. <i>Molecules</i> , 2021, 26, 5641.	1.7	25
2201	Experimental investigation of diesel soot oxidation reactivity along the exhaust after-treatment system components. <i>Fuel</i> , 2021, 302, 121047.	3.4	23
2202	Ciprofloxacin and acetaminophen sorption onto banana peel biochars: Environmental and process parameter influences. <i>Environmental Research</i> , 2021, 201, 111218.	3.7	72
2203	Immobilized redox mediators on modified biochar and their role on azo dye biotransformation in anaerobic biological systems: Mechanisms, biodegradation pathway and theoretical calculation. <i>Chemical Engineering Journal</i> , 2021, 423, 130300.	6.6	28
2204	Statistical optimization of biodiesel production from waste cooking oil using magnetic acid heterogeneous catalyst MoO ₃ /SrFe ₂ O ₄ . <i>Fuel</i> , 2021, 304, 121463.	3.4	46
2205	Evaluation of pyrochar and hydrochar derived activated carbons for biosorbent and supercapacitor materials. <i>Journal of Environmental Management</i> , 2021, 298, 113436.	3.8	16
2206	Impact of tailored textural properties of activated carbons on methane storage. <i>Powder Technology</i> , 2021, 394, 336-352.	2.1	11
2207	Hydrothermal carbonization of household wet waste “ characterization of hydrochar and process wastewater stream. <i>Bioresource Technology</i> , 2021, 342, 125972.	4.8	10
2208	The role of biochar particle size and application rate in promoting the hydraulic and physical properties of sandy desert soil. <i>Catena</i> , 2021, 207, 105607.	2.2	29
2209	Studies on the adsorption of dyes, Methylene blue, Safranin T, and Malachite green onto Polystyrene foam. <i>Separation and Purification Technology</i> , 2021, 276, 119435.	3.9	64
2210	Microporous carbon with highly dispersed nano-lanthanum oxide (La ₂ O ₃) for enhanced adsorption of methylene blue. <i>Separation and Purification Technology</i> , 2021, 279, 119626.	3.9	18

#	ARTICLE	IF	CITATIONS
2211	Equilibrium and kinetic modelling of triclosan adsorption on Single-Walled Carbon Nanotubes. Journal of Environmental Chemical Engineering, 2021, 9, 106382.	3.3	7
2212	Extending granular activated carbon (GAC) bed life: A column study of in-situ chemical regeneration of pesticide loaded activated carbon for water treatment. Chemosphere, 2022, 286, 131888.	4.2	15
2213	Carbon materials as CO ₂ adsorbents: a review. Environmental Chemistry Letters, 2021, 19, 875-910.	8.3	58
2214	Activated Carbon Based on Acacia Wood (<i>Auricleaformis</i>,) Tj ETQq1 1 0.784314 rgBT /Overlock Pb ²⁺ Ions in Industrial Effluents. Journal of Encapsulation and Adsorption Sciences, 2021, 11, 18-43.	0.3	4
2215	The Immersion Calorimetry as a Tool to Study of the Adsorbate-Adsorbent Interactions on the Adsorption of Emerging Pollutants onto Activated Carbon from Water: Case Methylparaben and Paracetamol. Engineering Materials, 2021, , 217-246.	0.3	0
2216	Adsorption of Transition Metal Catalysts on Carbon Supports: A Theoretical Perspective. Johnson Matthey Technology Review, 2022, 66, 4-20.	0.5	1
2217	A comprehensive study on butanolysis of furfuryl alcohol to butyl levulinate using tungstated zirconia and sulfonated carbon catalysts. Carbon Resources Conversion, 2021, 4, 111-121.	3.2	6
2218	Adsorption from aqueous phenol and 2,3,4-trichlorophenol solutions on nanoporous carbon prepared from poly(ethylene terephthalate). , 2001, , 5-12.		6
2219	Characterization of Char for Agricultural Use in the Soils of the Southeastern United States. , 2009, , 433-443.		5
2220	Generic and Advanced Characterization Techniques. , 2020, , 31-497.		2
2221	Phytoremediation Technology: Sustainable Solution for Cleaning Up of Recalcitrant Pollutants from Disturbed Environs. , 2020, , 245-268.		2
2222	Surface and Adsorption Characteristics of Black Carbon from Different Sources. , 2010, , 279-281.		2
2223	Adsorption of Dissolved Organic Compounds by Black Carbon. , 2013, , 359-385.		8
2224	Surface chemical properties and pore structure of the activated coke and their effects on the denitrification activity of selective catalytic reduction. International Journal of Coal Science and Technology, 2019, 6, 595-602.	2.7	10
2225	Valorization of agri-food industry wastes to prepare adsorbents for heavy metal removal from water. Journal of Environmental Chemical Engineering, 2020, 8, 104067.	3.3	48
2226	Characterisation of the Surface Chemistry of Activated Carbon by Molecular Simulation of Water Adsorption. Studies in Surface Science and Catalysis, 2002, 144, 131-138.	1.5	8
2227	Quantitative Characterization of the Site Density and the Charged State of Functional Groups on Biochar. ACS Sustainable Chemistry and Engineering, 2021, 9, 2600-2608.	3.2	17
2228	Novel synthesis of porous Mg scaffold as a reactive containment vessel for LiBH ₄ . RSC Advances, 2017, 7, 36340-36350.	1.7	14

#	ARTICLE	IF	CITATIONS
2230	Nanotextured Carbons for Electrochemical Energy Storage. , 2006, , .		6
2231	Surface Chemical and Electrochemical Properties of Carbons. <i>Advanced Materials and Technologies</i> , 2009, , 163-219.	0.4	7
2233	Fabrication of electro-catalytic nano-particles and applications to proton exchange membrane fuel cells. <i>Sustainable Energy Developments</i> , 2015, , 95-129.	0.3	2
2234	Comparison of the Surface Features of the Three Chemically Modified Silk Cotton Hull Activated Carbons. <i>Oriental Journal of Chemistry</i> , 2012, 28, 1761-1768.	0.1	3
2235	Adsorption of cobalt from aqueous solutions onto Bark of Eucalyptus. <i>Mediterranean Journal of Chemistry</i> , 2018, 7, 145-155.	0.3	24
2236	Synthesis and adsorption properties of activated carbon from KOH-activation of Moroccan Jujube shells for the removal of COD and color from wastewater. <i>Mediterranean Journal of Chemistry</i> , 2019, 8, 168-178.	0.3	7
2237	Preparation of Activated Carbon From <i>Polygonum orientale</i> Linn. to Remove the Phenol in Aqueous Solutions. <i>PLoS ONE</i> , 2016, 11, e0164744.	1.1	7
2238	Carbon nanomaterials enhanced cement-based composites: advances and challenges. <i>Nanotechnology Reviews</i> , 2020, 9, 115-135.	2.6	62
2239	Expanded Graphite and Its Composites. , 2019, , .		3
2240	Comparative calorimetry study of the phenol and acetaminophen adsorption on activated carbon in aqueous solution. <i>Revista Colombiana De Ciencias Químico Farmacéuticas</i> , 2015, 44, 90-106.	0.3	4
2241	Activated carbon quality produced by <i>Tectona grandis</i> wastes: activation methods and adsorption capacity. <i>Revista Materia</i> , 2020, 25, .	0.1	2
2242	Removal of diazo dye from the aqueous phase by biosorption onto ball-milled maize cob (BMMC) biomass of <i>Zea mays</i> . <i>Macedonian Journal of Chemistry and Chemical Engineering</i> , 2013, 32, 133.	0.2	5
2243	Low-temperature plasma-modified zeolite (LTPMZ) vs. natural Bulgarian zeolite (NBZ) – Comparative physicochemical, UV/VIS and FTIR studies. <i>Macedonian Journal of Chemistry and Chemical Engineering</i> , 2016, 35, 97.	0.2	2
2244	Analysis of Functional Group Sited on Multi-Wall Carbon Nanotube Surface. <i>Open Materials Science Journal</i> , 2011, 5, 242-247.	0.2	159
2245	Surface Chemical Functional Groups Modification of Porous Carbon. <i>Recent Patents on Chemical Engineering</i> , 2010, 1, 27-40.	0.5	121
2246	Carbon nanotubes functionalized with folic acid attached via biomimetic peptide linker. <i>Nanomedicine</i> , 2017, 12, 2161-2182.	1.7	15
2247	Carbon materials in the treatment of soft and hard tissue injuries. , 2001, 2, 21-9.		48
2248	Adsorption ability of the carbon black for nickel ions uptake from aqueous solution. <i>Hemijaska Industrija</i> , 2013, 67, 51-58.	0.3	10

#	ARTICLE	IF	CITATIONS
2249	Synthesis of Activated Carbon from Cocos Nucifera Leaves Agrowaste by Chemical Activation Method. Chemistry and Chemical Technology, 2016, 10, 201-208.	0.2	2
2250	Selection of Reductant in the Electrokinetic-PRB Hybrid System for the Treatment of Soils Contaminated by Hexavalent Chromium. Journal of MMIJ, 2013, 129, 36-41.	0.4	2
2251	POTENTIAL USE OF Crambe abyssinica PRESS CAKE AS AN ADSORBENT: BATCH AND CONTINUOUS STUDIES. Environmental Engineering and Management Journal, 2014, 13, 3025-3036.	0.2	5
2254	The Effects of Grain Size, Oxidizers and Catalysts on Band Gap Energy of Gelam-Wood Carbon. International Journal of Sustainable Transportation Technology, 2019, 2, 63-70.	0.1	1
2255	Equilibrio de adsorción del colorante azul de metileno sobre carbón activado. Revista U D C A Actualidad & Divulgación Científica, 2013, 16, .	0.1	3
2256	Non-steroidal Anti-inflammatory Drug, Ibuprofen Adsorption Using Rice Straw Based Biochar. International Journal of Pharmacology, 2016, 12, 729-736.	0.1	21
2257	Heavy Metals Removal in Aqueous Solution by Activated Carbons Prepared from Coconut Shell and Seed Shell of the Palm Tree. Journal of Applied Sciences, 2006, 6, 2789-2793.	0.1	28
2258	Treatment of Aqueous Solution of Lead Content by using Natural Mixture of Kaolinite-Albite-Montmorillonite-Illite Clay. Journal of Applied Sciences, 2011, 11, 2536-2545.	0.1	2
2259	Biosensors: Recent advances and mathematical challenges. , 2014, , .		2
2260	Removal of mercury by carbonized wood materials from aqueous solutions of different types of mercury compounds.. Resources Processing, 1999, 46, 3-8.	0.1	5
2261	Quantitative Modeling Incorporating Surface Complexation for Zinc Removal Using Leaf Mold. Journal of the Society of Powder Technology, Japan, 2019, 56, 136-141.	0.0	6
2262	Comparison of Kinetic Models for CO ₂ Gasification of Coconut-Shell Chars: Carbonization Temperature Effects on Char Reactivity and Porous Properties of Produced Activated Carbons. Engineering Journal, 2013, 17, 13-28.	0.5	17
2263	Lignocellulosic-Based Activated Carbon Prepared by a Chemical Impregnation Method as Electrode Materials for Double Layer Capacitor. Advances in Chemical Engineering and Science, 2017, 07, 175-190.	0.2	3
2264	Surface Modification of Commercial Activated Carbon (CAG) for the Adsorption of Benzene and Toluene. American Journal of Analytical Chemistry, 2015, 06, 528-538.	0.3	23
2265	Relationship between Helium Degassing of Cattle-Manure-Compost Adsorbents and Copper Ions Removal. International Journal of Organic Chemistry, 2012, 02, 262-266.	0.3	2
2266	Review Paper: The Fundamentals of Biochar as a Soil Amendment Tool and Management in Agriculture Scope: An Overview for Farmers and Gardeners. Journal of Agricultural Chemistry and Environment, 2017, 06, 38-61.	0.2	22
2267	ROLE OF CHEMISTRY IN ADVANCED CARBON-BASED COMPOSITES. , 0, , 188-218.		2
2268	Chromium(III) recovery from tanning wastewater by adsorption on activated carbon and elution with sulfuric acid. Environmental Engineering Research, 2017, 22, 149-156.	1.5	3

#	ARTICLE	IF	CITATIONS
2269	Application of the Sips model to the calculation of maximum adsorption capacity and immersion enthalpy of phenol aqueous solutions on activated carbons. <i>European Journal of Chemistry</i> , 2017, 8, 112-118.	0.3	16
2270	Comparison of Surface Characteristics and Adsorption Characteristics of Activated Carbons Changed by Acid and Base Modification. <i>Journal of Environmental Science International</i> , 2008, 17, 565-571.	0.0	5
2271	Adsorption Characteristics of Aqueous Ammonium Using Rice hull-Derived Biochar. <i>Korean Journal of Environmental Agriculture</i> , 2015, 34, 155-160.	0.0	8
2272	Surface Properties of Modified Activated Carbon for Ammonia Gas Removal. <i>Journal of Korean Society for Atmospheric Environment</i> , 2013, 29, 317-324.	0.2	4
2273	Sorption of Chromium Ions from Aqueous Solution onto Chemically Activated Carbons Developed from Maize Cobs. <i>Carbon Letters</i> , 2008, 9, 275-282.	3.3	4
2274	Adsorption properties of activated carbon prepared from pre-carbonized petroleum coke in the removal of organic pollutants from aqueous solution. <i>Carbon Letters</i> , 2011, 12, 152-161.	3.3	8
2275	Effect of Activation Temperature on Textural and Adsorptive Properties for Activated Carbon Derived from Local Reed Biomass: Removal of p-Nitrophenol. <i>Environmental Research, Engineering and Management</i> , 2012, 59, .	0.4	13
2278	Aromatics adsorption properties onto oxidized activated carbon from aqueous solution. <i>Tanso</i> , 2006, 2006, 266-271.	0.1	6
2279	Enhancement of Pb (II) ions adsorption onto magnesium loaded activated carbon in aqueous solution. <i>Tanso</i> , 2007, 2007, 242-248.	0.1	2
2280	Characteristics and methylene blue adsorption performance of activated carbon prepared from cattle-manurecompost by ZnCl ₂ activation. <i>Tanso</i> , 2007, 2007, 25-31.	0.1	1
2281	Analysis of surface structure of carbon materials by using temperature-programmed desorption method. <i>Tanso</i> , 2009, 2009, 67-71.	0.1	12
2282	Carbonization of wood biomass loaded with calcium and its use in phosphorus removal from an aqueous solution. <i>Tanso</i> , 2012, 2012, 169-175.	0.1	3
2283	Influence of Oxygen-/Nitrogen-containing Functional Groups on the Performance of Electrical Double-Layer Capacitor. <i>Korean Chemical Engineering Research</i> , 2012, 50, 1043-1048.	0.2	3
2284	The physicochemical properties of biochar and its applicability as a filler in rubber composites: A review. <i>Materials Today Communications</i> , 2021, 29, 102912.	0.9	24
2285	Enhanced Defluoridation of Water Using Zirconium ^{IV} -Coated Pumice in Fixed-Bed Adsorption Columns. <i>Materials</i> , 2021, 14, 6145.	1.3	3
2286	Modified New Microporous Carbon Layer Structure for Improved PEM Fuel Cell Performance with Low-Pt Catalyst Loadings. <i>Journal of the Electrochemical Society</i> , 2021, 168, 104513.	1.3	3
2287	Valorization of olive tree pruning. Application for energy storage and biofuel production. <i>Industrial Crops and Products</i> , 2021, 173, 114082.	2.5	10
2288	Soot Particles from Different Combustion Sources: Composition, Surface groups, Oxidation under Atmospheric Conditions. , 2002, , 129-135.		1

#	ARTICLE	IF	CITATIONS
2290	Activated Carbon Adsorption and Environment. , 2005, , 297-371.		0
2292	Nanotextured Carbons for Electrochemical Energy Storage. <i>Advanced Materials and Technologies</i> , 2006, , 295-319.	0.4	0
2293	Adsorption from Liquid Solution. , 2007, , 243-258.		0
2294	Comparative Investigation of the Hydrogen Production of Zinc/carbons Prepared from Non-activated Carbon and Surface-modified Activated Carbon by Treatment with Zinc Salts. <i>Journal of the Korean Ceramic Society</i> , 2007, 44, 607-612.	1.1	0
2295	Immobilization of Heavy Metals and Stable Organics from Aqueous Systems on Modified Activated Carbon. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2008, , 71-79.	0.1	1
2296	De-hydrochlorination of Chlorophenol on Various Activated Carbon Surface Conditions in Aqueous Solution at Room Temperature. <i>Journal of Environmental Chemistry</i> , 2009, 19, 343-350.	0.1	2
2297	Physicochemical Properties and Biocompatibility of Polymer/Carbon Nanotubes Composites. , 2009, , 347-368.		11
2298	De-chlorination of 4-Chlorophenol on Activated Carbon Surfaces in Aqueous Solution. <i>Hyomen Kagaku</i> , 2009, 30, 111-116.	0.0	2
2299	An Analysis of Phase diagrams of Ketone/Aromatic alcohol by a Theory Based on Hydrogen-bond Configuration. <i>Transactions of the Materials Research Society of Japan</i> , 2010, 35, 627-630.	0.2	0
2300	Carbonaceous Materials Obtained from Sewage Sludge for NO ₂ Removal under Wet Conditions at Room Temperature. <i>Acta Physica Polonica A</i> , 2010, 118, 487-492.	0.2	0
2301	10.2478/s11814-009-0197-4. , 2011, 26, 1341.		0
2302	<i>Chlorella</i> sp.: Potencial Biomaterial para Tratamiento de Agua con Colorantes. <i>Química Hoy Chemistry Sciences</i> \$b, 2011, 1, 4.	0.1	0
2303	Biodegradation of a Reactive Red Azo Dye in an Upflow Anaerobic Bioreactor. <i>Hexagon Series on Human and Environmental Security and Peace</i> , 2012, , 299-316.	0.2	1
2304	<i>Chlorella</i> sp.: Potencial biomaterial para tratamiento de agua contaminada con colorantes. <i>Química Hoy Chemistry Sciences</i> \$b, 2011, 1, 4.	0.1	0
2305	Obtención de biodiesel con aceite de maíz usado en frituras y metacaolinita como catalizador. <i>Acta Universitaria</i> , 0, 21, 19-26.	0.2	0
2307	Method of Removing Sb ²⁺ from Mine Water by Acid Modified Activated Carbon Adsorption. <i>Advances in Environmental Protection</i> , 2014, 04, 245-254.	0.0	0
2308	Surface Chemistry of Green Carbons. , 2014, , 1-33.		1
2309	Adsorption of Phenolic Compounds onto Tannic Acid Modified Hyper-crosslinked Adsorption Resin. <i>Acta Polymerica Sinica</i> , 2014, 014, 107-114.	0.0	0

#	ARTICLE	IF	CITATIONS
2310	Ni(II) and Cd(II) Simple and Competitive Adsorption on Activated Carbon Oxidized. Influence of the Oxidant Agents HO and NaClO. Open Materials Science Journal, 2015, 9, 20-27.	0.2	1
2311	FUNCIONALIZAÇÃO ÁCIDA DE CARVÃO ATIVADO DE DENDÊ NA REMOÇÃO DE PARACETAMOL. , 0, , .		0
2312	Study of Carbon Nanostructures for Soil Fertility Improvement. Nanomedicine and Nanotoxicology, 2016, , 85-104.	0.1	1
2313	Influence of Pretreatment with Soda (NaOH) on the Structural Characteristics of Activated Carbon Prepared by Chemical Means with H ₂ PO ₄ from Rice Bran. American Journal of Physical Chemistry, 2016, 5, 35.	0.4	0
2314	Physicochemical and Sorption Properties of Activated Carbons Obtained from Citrus Fruit Peels and Low Quality Lignite. Engineering and Protection of Environment, 2016, 19, 341-352.	0.3	0
2316	Support effect on the catalytic activity of palladium nanoparticles in the o-nitrotoluene hydrogenation. Reports National Academy of Science of Ukraine, 2017, , 63-69.	0.0	0
2317	Evaluación de un carbón activado comercial en la remoción del colorante DB2. Revista Colombiana De Ciencia Animal Recia, 2017, 9, 164-170.	0.2	1
2318	The Effect of the Functionalisation of Low-Dispersion Carbon Black of the OMCARB Series by Hydrogen Peroxide on the Properties of Filled Composites. International Polymer Science and Technology, 2017, 44, 15-20.	0.1	0
2319	Introduction to hydrogen storage in carbon materials. , 2018, , 333-341.		0
2320	The influence of carbon sorbent surface properties on adsorption poly- and heterocyclic aromatic hydrocarbons. Novye Ogneupory (new Refractories), 2019, , 65-69.	0.1	0
2321	Alkali Modified Activated Carbons for Sorption and Catalytic Oxidation of Hydrogen Sulfide During Air Cleaning: The Influence of Thermal Treatment on Properties of Materials. Kataliz V Promyshlennosti, 2019, 19, 219-226.	0.2	1
2322	Effect of oxidized technical carbon on surface energy of rubber. Voprosy Materialovedeniya, 2019, , 96-101.	0.0	0
2323	Alkaline-Modified Activated Carbons for Removing Hydrogen Sulfide from Air via Sorption and Catalytic Oxidation: Studying the Effect of Thermal Treatment on the Properties of Materials. Catalysis in Industry, 2019, 11, 335-341.	0.3	2
2324	Cosmetic wastewater primary treatment by fenton process and final polishing adsorption. Revista Eletrônica Em Gestão Educaçã E Tecnologia Ambiental, 0, 24, 13.	0.0	0
2325	Carbon Nanofibers: Preparation, Properties, and Applications in Composites. , 2020, , 543-571.		0
2326	Versatile and Scalable Approaches to Tune Carbon Black Characteristics for Boosting Adsorption and VOC Sensing Applications. , 0, , .		1
2327	Degradation of organic pollutants in hazardous spent sulfuric acid by catalytic oxidation reaction with agricultural waste-derived catalyst. Journal of Environmental Chemical Engineering, 2021, 9, 106664.	3.3	3
2328	The Use of High Surface Area Mesoporous-Activated Carbon from Longan Seed Biomass for Increasing Capacity and Kinetics of Methylene Blue Adsorption from Aqueous Solution. Molecules, 2021, 26, 6521.	1.7	30

#	ARTICLE	IF	CITATIONS
2329	Quantitative Modeling for Continuous Treatment of Zinc Contained Acid Mine Drainage Using Column Filling Leaf Mold. <i>Journal of MMIJ</i> , 2020, 136, 151-158.	0.4	0
2330	Caracterizaç�o da argila vermiculita expandida: avaliaç�o dos padr�es f�sico-qu�micos e mineral�gicos para aplicaç�o como adsorvente. <i>Revista Materia</i> , 2020, 25, .	0.1	0
2331	Oxidative dehydrogenation of ethane to ethylene on the carbocatalyst. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
2332	Ammonium removal efficiency of biochar-based heterotrophic nitrifying bacteria immobilization body in water solution. <i>Environmental Engineering Research</i> , 2021, 26, .	1.5	6
2333	Nitrik asit ile modifiye edilmi� biyok�tle temelli aktif karbonun s�perkapasite performansın incelenmesi. <i>Journal of the Faculty of Engineering and Architecture of Gazi University</i> , 2020, 35, 1243-1256.	0.3	6
2334	Designing capacitive deionization module for water treatment systems at car washers. <i>Eastern-European Journal of Enterprise Technologies</i> , 2021, 5, 46-53.	0.3	1
2335	Extractive/Oxidative Desulfurization Optimization of Diesel Feed Stock by Ionic Liquid Utilization/ Thermodynamic Analysis. <i>Journal of Engineering Research</i> , 0, , .	0.4	0
2336	Cyclohexane and benzene separation by fixed-bed adsorption on activated carbons prepared from coconut shell. <i>Environmental Technology and Innovation</i> , 2022, 25, 102076.	3.0	23
2337	SYNTHESIS OF CARBONIC-NICKEL NANOSTRUCTURES AND THEIR APPLICATION FOR PROTON PUMPS. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2008, , 137-149.	0.1	1
2338	Synthesis of Activated Carbons for Heavy Metals Removal. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 1-31.	0.3	1
2339	Mechanochemical Modification of Activated Carbon in Air. <i>Russian Journal of Applied Chemistry</i> , 2020, 93, 1661-1666.	0.1	3
2340	Golden Pothos viability in engineered mixed bed growth media containing ionic liquids for plant-based building air filtration systems. <i>Rhizosphere</i> , 2020, 15, 100209.	1.4	1
2342	The effects of H ₂ O ₂ - and HNO ₃ /H ₂ SO ₄ -modified biochars on the resistance of acid paddy soil to acidification. <i>Environmental Pollution</i> , 2022, 293, 118588.	3.7	20
2343	Water treatment and environmental remediation applications of carbon-based nanomaterials. , 2022, , 229-311.		0
2344	Natural resources for dye-sensitized solar cells. <i>Heliyon</i> , 2021, 7, e08436.	1.4	12
2346	Synthesis and Characterization of Nanoporous Carbon Carriers for Losartan Potassium Delivery. <i>Materials</i> , 2021, 14, 7345.	1.3	10
2347	Effect of the aggregates size and oxygen content of carbon black on elastic characteristics of rubber. <i>Polymer Bulletin</i> , 2022, 79, 9503-9521.	1.7	1
2348	3,5-Dinitrosalicylic Acid Adsorption Using Granulated and Powdered Activated Carbons. <i>Molecules</i> , 2021, 26, 6918.	1.7	1

#	ARTICLE	IF	CITATIONS
2349	The Production of Liquid Fuel Products by the Catalytic Hydroliquefaction of Spropels Using Nickel and Nickel-Tungsten Catalysts. <i>Kataliz V Promyshlennosti</i> , 2021, 21, 413-423.	0.2	0
2350	Equilibrium and hysteresis formation of water vapor adsorption on microporous adsorbents: Effect of adsorbent properties and temperature. <i>Journal of the Air and Waste Management Association</i> , 2022, 72, 176-186.	0.9	4
2351	Elucidation of adsorption mechanisms and mass transfer controlling resistances during single and binary adsorption of caffeic and chlorogenic acids. <i>Environmental Science and Pollution Research</i> , 2022, 29, 26297-26311.	2.7	5
2352	Transport of Carbamazepine, Ciprofloxacin and Sulfamethoxazole in Activated Carbon: Solubility and Relationships between Structure and Diffusional Parameters. <i>Molecules</i> , 2021, 26, 7318.	1.7	5
2353	Carboxyl appended polymerized seed composite with controlled structural properties for enhanced heavy metal capture. <i>Separation and Purification Technology</i> , 2022, 284, 120247.	3.9	4
2354	Changes of the physicochemical and functional properties of carbon black during oxidative treatment by the ozone "Oxygen mixture. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	0
2355	Elaborating Nitrogen and Oxygen Dopants Configurations within Graphene Electrocatalysts for Two-Electron Oxygen Reduction. , 2022, 4, 320-328.		15
2356	Effect of ageing on biochar properties and pollutant management. <i>Chemosphere</i> , 2022, 292, 133427.	4.2	34
2357	Properties and the Application of Sludge-Based Biochar in the Removal of Phosphate and Methylene Blue from Water: Effects of Acid Treating. <i>Langmuir</i> , 2022, 38, 1833-1844.	1.6	15
2358	Electrochemical functionalization of carbon nanomaterials and their application in immobilization of enzymes. , 2022, , 67-103.		0
2359	The influence of the size of aromatic monomers on the structure and catalytic activity of polymer solid acids. <i>New Journal of Chemistry</i> , 2022, 46, 767-778.	1.4	0
2360	Assessing the functional groups in activated carbons through a multi-technique approach. <i>Catalysis Science and Technology</i> , 2022, 12, 1271-1288.	2.1	7
2361	Rational design of microporous biochar based on ion exchange using carboxyl as an anchor for high-efficiency capture of gaseous p-xylene. <i>Separation and Purification Technology</i> , 2022, 286, 120402.	3.9	7
2362	Low-cost activated carbon preparation from Corn stigmata fibers chemically activated using H ₃ PO ₄ , ZnCl ₂ and KOH: Study of methylene blue adsorption, stochastic isotherm and fractal kinetic. <i>Industrial Crops and Products</i> , 2022, 178, 114546.	2.5	74
2363	Sorbent based on citrus peel waste for wastewater treatment. , 2022, , 455-478.		2
2364	Surface modification and characterization of waste derived carbon particles to reinforce photo-cured shape memory composites. <i>RSC Advances</i> , 2022, 12, 5085-5093.	1.7	2
2365	Influential mechanism of water occurrence states of waste-activated sludge: Potential linkage between water-holding capacity and molecular compositions of EPS. <i>Water Research</i> , 2022, 213, 118169.	5.3	34
2366	Effect of Pyrolysis Temperature on Mechanistic Transformation for Adsorption of Methylene Blue on Leached Rice" Straw Biochar. <i>Clean - Soil, Air, Water</i> , 2022, 50, .	0.7	9

#	ARTICLE	IF	CITATIONS
2367	Treated activated carbon as a metal-free catalyst for effectively catalytic reduction of toxic hexavalent chromium. <i>Journal of Hazardous Materials</i> , 2022, 430, 128416.	6.5	12
2368	Differences in the structure and functionalities of graphene oxide and reduced graphene oxide obtained from graphite with various degrees of graphitization. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 164, 110614.	1.9	27
2369	Key to intimately coupling metal chalcogenides with a carbon nanonetwork for potassium-ion storage. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8958-8965.	5.2	6
2370	Efficient Removal of Organic Pollutants in Waste Sulfuric Acid by Advanced Oxidation Process Using Coconut Shell-Derived Biochar to Produce Qualified Poly Aluminum Sulfate. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2371	Bio-Adsorption Pretreatment of Post Hydrothermal Liquefaction Wastewater (Phww) for Methane Production. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2373	Sulfonated carbons from agro-industrial residues: simple and efficient catalysts for the Biginelli reaction. <i>New Journal of Chemistry</i> , 2022, 46, 6091-6102.	1.4	6
2374	Synthesis, Characterization and Evaluation of Porous Carbon Adsorbents Derived from Waste Biomass for Co ₂ Capture. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
2375	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.	0.3	2
2376	Functional Biochar Synergistic Solid/Liquid-Phase CO ₂ Capture: A Review. <i>Energy & Fuels</i> , 2022, 36, 2945-2970.	2.5	49
2377	Adsorption of organic acids from offshore produced water using microporous activated carbon from babassu pericarp: a low-cost alternative. <i>Chemical Engineering Communications</i> , 2023, 210, 314-329.	1.5	2
2378	Bio-composite of nipa palm husk derived activated carbon/poly(butylene succinate): an effective agricultural waste based adsorbent for ammonia removal. , 2022, 32, 27-40.		1
2379	Activated Carbon as Superadsorbent and Sustainable Material for Diverse Applications. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	40
2380	Experimental and theoretical review on covalent coupling and elemental doping of carbon nanomaterials for environmental photocatalysis. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2023, 48, 215-256.	6.8	10
2381	Novel Porphyrin-Based Hypercrosslinked Polymers as Highly Efficient Electrocatalysts for Oxygen Reduction Reaction. <i>Energy Technology</i> , 2022, 10, .	1.8	1
2382	Adsorptive removal of aromatic amine from aqueous solutions using carbon black as adsorbent. <i>Chemical Engineering Communications</i> , 2023, 210, 1108-1117.	1.5	2
2383	Enhancing thermophilic anaerobic co-digestion of sewage sludge and food waste with biogas residue biochar. <i>Renewable Energy</i> , 2022, 188, 465-475.	4.3	36
2384	Deciphering the effects of engineered biochar on methane production and the mechanisms during anaerobic digestion: Surface functional groups and electron exchange capacity. <i>Energy Conversion and Management</i> , 2022, 258, 115417.	4.4	21
2385	Adsorption of sulfamethoxazole via biochar: The key role of characteristic components derived from different growth stage of microalgae. <i>Environmental Research</i> , 2022, 210, 112965.	3.7	11

#	ARTICLE	IF	CITATIONS
2386	Recycling furnace slag and fly ash from industrial byproducts to produce slag/ash based zeolite as a new adsorbent material. <i>Science Progress</i> , 2021, 104, 003685042210867.	1.0	1
2387	Physicochemical Characterization of Cardoon (Cynara cardunculus) Wastes (Leaves and Stems): A Comparative Study. <i>Sustainability</i> , 2021, 13, 13905.	1.6	6
2388	MOFs-Derived Zn-Based Catalysts in Acetylene Acetoxylation. <i>Nanomaterials</i> , 2022, 12, 98.	1.9	11
2389	Adsorption of Cr(VI) ions on the activated carbon derived from oxalic acid treated coconut shell. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-15.	1.8	0
2390	Efficient removal of organic pollutants in waste sulfuric acid by an advanced oxidation process using coconut shell-derived biochar to produce qualified poly aluminium sulfate. <i>Separation and Purification Technology</i> , 2022, 293, 121057.	3.9	10
2391	Spectroscopic investigations and density functional theory calculations reveal differences in retention mechanisms of lead and copper on chemically-modified phytolith-rich biochars. <i>Chemosphere</i> , 2022, 301, 134590.	4.2	6
2392	Influence of reactivation conditions on the physio-chemical properties of activated carbon. <i>Journal of Water Process Engineering</i> , 2022, 48, 102784.	2.6	2
2393	Effects of low molecular weight organic acids on aggregation behavior of biochar colloids at acid and neutral conditions. <i>Biochar</i> , 2022, 4, 1.	6.2	26
2394	Removal of organic micropollutants in a drinking water treatment plant by powdered activated carbon followed by rapid sand filtration. <i>Journal of Water Process Engineering</i> , 2022, 47, 102792.	2.6	2
2395	Adamantane imine as a seminal interfacial mediator toward rubber/carbon black composites with superior energy-saving capability and aging resistance. <i>Composites Science and Technology</i> , 2022, 225, 109482.	3.8	6
2396	Carbon-based metal-free catalysts for catalytic reforming of methane (CH ₄) with carbon dioxide (CO ₂)., 2022, , 21-66.		0
2397	Recyclable Ball-Milled Magnetic Biochar for Efficient Removal of Methylene Blue from Water. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2398	Effectiveness of salification against shuttle effect in p-type organic batteries: Case studies of triflimide and iodide salts of N,N-dimethylphenazine. <i>Chemical Engineering Journal</i> , 2022, 446, 137292.	6.6	5
2399	Nickel Catalysts Based on Carbon-Mineral Supports Derived from Saproel for Hydroliquefaction of Saproel Organic Matter. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2400	An assessment of the lignocellulose-based biosorbents in removing Cr(VI) from contaminated water: A critical review. <i>Results in Chemistry</i> , 2022, 4, 100406.	0.9	5
2401	Performance and modeling of Ni(II) adsorption from low concentrated wastewater on carbon microspheres prepared from tangerine peels by FeCl ₃ -assisted hydrothermal carbonization. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108143.	3.3	12
2402	Synthesis of Liquid Fuel Products by the Catalytic Hydroliquefaction of Saproels Using Nickel and Tungsten Catalysts. <i>Catalysis in Industry</i> , 2022, 14, 171-180.	0.3	0
2403	Roles of N on the N-doped Ru/AC catalyst in the hydrogenation of phthalate esters. <i>Research on Chemical Intermediates</i> , 0, , .	1.3	2

#	ARTICLE	IF	CITATIONS
2404	Application of biochar for minewater remediation: Effect of scaling up production on performance under laboratory and field conditions. <i>Bioresource Technology</i> , 2022, 359, 127439.	4.8	3
2405	Adsorptive separation using self-assembly on graphite: from nanoscale to bulk processes. <i>Chemical Science</i> , 2022, 13, 9035-9046.	3.7	1
2406	Synergistic effects of rice straw and its biochar on availability of phosphorus fertiliser in acidic soils. <i>Crop and Pasture Science</i> , 2022, , .	0.7	0
2407	Adsorption of Mercury on Chlorine-Modified Activated Carbon: Breakthrough Curves and Temperature-Programmed Desorption. <i>ACS Omega</i> , 2022, 7, 23833-23841.	1.6	1
2408	Nitrogen and Oxygen Co-doped Porous Carbon Fabric for Efficient Removal of Formaldehyde. <i>Fibers and Polymers</i> , 2022, 23, 1888-1893.	1.1	7
2409	Investigating the Evolution of Structural Characteristics of Humic Acid Generated during the Continuous Anaerobic Digestion and Its Potential for Chromium Adsorption and Reduction. <i>Fermentation</i> , 2022, 8, 322.	1.4	6
2410	The influence of surface chemistry upon the textural, thermal and sorption properties of apple-pectin adsorbent materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , .	2.0	0
2411	Perspectives of Engineered Biochar for Environmental Applications: A Review. <i>Energy & Fuels</i> , 2022, 36, 7940-7986.	2.5	31
2412	Impact of ammonia treatment and platinum group or nickel metal decoration on the activated carbon storage of carbon dioxide and methane. <i>Materials Research Express</i> , 0, , .	0.8	0
2413	Magnetic Coconut Shell-Derived Activated Carbon Adorned with Cu ₂ O Nanoparticles: A Green and Efficient Porous Catalyst for N-Arylation of Hetero-Aromatics in Eutectic Medium. <i>ChemistrySelect</i> , 2022, 7, .	0.7	4
2414	Correlating pollutant removal by activated carbon with the concentration of humic acid in water. <i>International Journal of Environmental Science and Technology</i> , 0, , .	1.8	0
2415	Role of carbon material surface functional groups on their interactions with aqueous solutions. <i>Journal of Electroanalytical Chemistry</i> , 2022, 922, 116707.	1.9	4
2416	Adsorption of Methyl Orange on Corncob Activated Carbon: Kinetic, Equilibrium, and Thermodynamic Studies. <i>Earthline Journal of Chemical Sciences</i> , 0, , 205-224.	0.0	3
2417	Equilibrium, Kinetic, and Thermodynamic Studies on Adsorption of Rhodamine B from Aqueous Solutions Using Oxidized Mesoporous Carbons. <i>Materials</i> , 2022, 15, 5573.	1.3	12
2418	The Synergetic Effect of Support-Oxygen Groups and Pt Particle Size in the Oxidation of D-Glucose: A Proximity Effect in Adsorption. <i>ChemCatChem</i> , 2022, 14, .	1.8	6
2419	Activated Carbon Modified by Ester Hydrolysis of Ethyl Acetate for Water Vapor Adsorption Enhancement. <i>Processes</i> , 2022, 10, 1527.	1.3	2
2420	Correlation of the Electrochemical Parameters of Carbon Fibre Treatment in Sulphuric Acid by Cyclic Voltammetry with the Created Functional Groups and Their Formation Mechanism. <i>Electrocatalysis</i> , 0, , .	1.5	2
2421	Adsorption of Organic Compounds on Adsorbents Obtained with the Use of Microwave Heating. <i>Materials</i> , 2022, 15, 5664.	1.3	14

#	ARTICLE	IF	CITATIONS
2422	Sustainable alternative for removing pesticides in water: Nanomodified activated carbon produced from yeast residue biomass. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 29, 100794.	1.6	1
2423	Enhanced adsorption capacity of cellulose hydrogel based on corn stalk for pollutants removal and mechanism exploration. <i>Journal of Cleaner Production</i> , 2022, 375, 134130.	4.6	36
2424	Activated carbon manufacturing via alternative Mexican lignocellulosic biomass and their application in water treatment: Preparation conditions, surface chemistry analysis and heavy metal adsorption properties. <i>Chemical Engineering Research and Design</i> , 2022, 187, 9-26.	2.7	18
2425	Direct Conversion of Glucose to 5-Hydroxymethylfurfural Over Niobium Oxide/Phosphate-Carbon Composites Derived from Hydrothermal Carbonization of Cyclodextrins. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2426	Active carbons and their functional applications in water purification – an overview. <i>MATEC Web of Conferences</i> , 2022, 366, 04001.	0.1	0
2427	Carbon Spheres and Carbon Soot for Tribological Applications. <i>Advances in Material Research and Technology</i> , 2022, , 191-216.	0.3	0
2428	Strategy for optimizing the synthesis and characterization of activated carbons obtained by chemical activation of coffee husk. <i>Materials Advances</i> , 2022, 3, 8361-8374.	2.6	11
2429	Influence of Graphene Oxide on the Self-Healing of Cement Paste Fractures in Ccus Cementing: A Combined Analysis of Experiments and Molecular Dynamics Simulations. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2430	Amine-Modified Carbon Xerogels as Effective Carbon-Based Adsorbents of Anionic Dye from Aqueous Solutions. <i>Materials</i> , 2022, 15, 5736.	1.3	5
2431	Comparison of the performance of a microwave plasma torch and a gliding arc plasma for hydrogen production via methane pyrolysis. <i>Plasma Processes and Polymers</i> , 2023, 20, .	1.6	12
2432	CaracterizaçãŁo da casca do pequi modificado com NaOH para uso como bioissorvente alternativo no processo de bioissorãŁo. <i>Brazilian Journal of Development</i> , 2022, 8, 63774-63780.	0.0	0
2433	Performance evaluation and prediction of activated carbon for VOCs via experiments and LFER methods. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 116, 385-392.	2.9	6
2434	Argentinian Sugar Cane Vinasse: Characterization of Phenolic Compounds and Evaluation of Adsorption as a Possible Remediation Technique. <i>Chemistry and Chemical Technology</i> , 2022, 16, 484-491.	0.2	0
2435	Polyamide aerogel-derived n-doped carbon aerogel decorated with platinum nanoparticles as highly active and stable electrocatalysts for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2022, 434, 141251.	2.6	6
2436	Carbon materials in redox flow batteries: Challenges and opportunities. , 2022, 1, 94-112.		5
2437	Screening Major Properties of Biochar Affecting Acid Soil Amelioration Based on Pot Experiments and Random Forest Model. <i>Journal of Soil Science and Plant Nutrition</i> , 0, , .	1.7	2
2438	Insights on mechanisms of aluminum phytotoxicity mitigation by canola straw biochars from different regions. <i>Biochar</i> , 2022, 4, .	6.2	5
2439	Mn (II) Adsorption on Activated Carbon Derived from Amaro (<i>Spondias pinnata</i>) Seed Stone. <i>Journal of Surface Science and Technology</i> , 0, , .	0.3	0

#	ARTICLE	IF	CITATIONS
2440	Effect of Exhausted Coffee Ground Particle Size on Metal Ion Adsorption Rates and Capacities. ACS Omega, 2022, 7, 38600-38612.	1.6	3
2441	Activating Nitrogen-doped Graphene Oxygen Reduction Electrocatalysts in Acidic Electrolytes using Hydrophobic Cavities and Proton-conductive Particles. Angewandte Chemie - International Edition, 2022, 61, .	7.2	8
2443	Oxidation of NMST to NMSBA catalyzed by Co/Mn/Br together with porous carbon made from coconut shell with acetic acid as an activator. International Journal of Chemical Reactor Engineering, 2022, .	0.6	0
2444	Activating Nitrogen-doped Graphene Oxygen Reduction Electrocatalysts in Acidic Electrolytes using Hydrophobic Cavities and Proton-conductive Particles. Angewandte Chemie, 2022, 134, .	1.6	2
2445	Biochar-goethite composites inhibited/enhanced degradation of triphenyl phosphate by activating persulfate: Insights on the mechanism. Science of the Total Environment, 2023, 858, 159940.	3.9	8
2446	Optimization of the synthesis of activated carbon prepared from Sargassum (sp.) and its use for tetracycline, penicillin, caffeine and methylene blue adsorption from contaminated water. Environmental Technology and Innovation, 2022, 28, 102940.	3.0	10
2447	Nickel catalysts based on carbon-mineral supports derived from sapropel for hydroliquefaction of sapropel organic matter. Fuel, 2023, 332, 126300.	3.4	2
2448	Evaluation of the adsorption of sulfamethoxazole (SMX) within aqueous influents onto customized ordered mesoporous carbon (OMC) adsorbents: Performance and elucidation of key adsorption mechanisms. Chemical Engineering Journal, 2023, 454, 140082.	6.6	19
2449	Phosphate functionalized activated carbon sachet filters for drinking water purification. Environmental Science: Water Research and Technology, 0, , .	1.2	1
2450	Ketoprofen and aspirin removal by laccase immobilized on date stones. Chemosphere, 2023, 311, 137133.	4.2	18
2451	Impact of hydrophilic functional groups of macromolecular organic fractions on food waste digestate dewaterability. Journal of Environmental Management, 2023, 326, 116722.	3.8	5
2452	Adsorption of Zn(II) on Pristine and SPLP/TCLP Leached Rice Straw Biochar: an Interplay of Precipitation and Ion Exchange. Water, Air, and Soil Pollution, 2022, 233, .	1.1	3
2453	Ball milling and acetic acid co-modified sludge biochar enhanced by electrochemistry to activate peroxydisulfate for sustainable degradation of environmental concentration neonicotinoids. Journal of Hazardous Materials, 2023, 444, 130336.	6.5	17
2454	Biocarbons Obtained from Fennel and Caraway Fruits as Adsorbents of Methyl Red Sodium Salt from Water System. Materials, 2022, 15, 8177.	1.3	4
2455	Tungsten oxide supported on copper ferrite: a novel magnetic acid heterogeneous catalyst for biodiesel production from low quality feedstock. RSC Advances, 2022, 12, 34614-34626.	1.7	11
2456	Enhanced adsorption capacity of activated carbon over thermal oxidation treatment for methylene blue removal: kinetics, equilibrium, thermodynamic, and reusability studies. RSC Advances, 2022, 13, 220-227.	1.7	7
2457	Adsorption performance and mechanism of anionic MO dye by the adsorbent polymeric Amberlite®IRA-410 resin from environment wastewater: Equilibrium kinetic and thermodynamic studies. Journal of Molecular Structure, 2023, 1277, 134789.	1.8	13
2458	Surfactant induced catastrophic collapse of carbon black suspensions used in flow battery application. Journal of Colloid and Interface Science, 2023, 633, 712-722.	5.0	3

#	ARTICLE	IF	CITATIONS
2459	Activated carbon from almond shells using an eco-compatible method: screening, optimization, characterization, and adsorption performance testing. <i>RSC Advances</i> , 2022, 12, 34393-34403.	1.7	7
2460	Adsorption of chlorophenols on activated pine sawdust-activated carbon from solution in batch mode. <i>Environmental Science and Pollution Research</i> , 2023, 30, 31294-31308.	2.7	6
2461	The Role of Inorganic Fillers in Electrostatic Discharge Composites. <i>Inorganics</i> , 2022, 10, 222.	1.2	1
2462	Adsorption of single-ring model naphthenic acid from oil sands tailings pond water using physically activated petroleum coke. <i>Canadian Journal of Chemical Engineering</i> , 2023, 101, 4374-4384.	0.9	1
2463	In-situ passivation mechanism of modified silicate composite biochar on soil cadmium. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 109007.	3.3	1
2464	Biochars and Activated Biocarbons Prepared via Conventional Pyrolysis and Chemical or Physical Activation of Mugwort Herb as Potential Adsorbents and Renewable Fuels. <i>Molecules</i> , 2022, 27, 8597.	1.7	5
2465	Reduction of filler-filler interaction and hysteresis loss of carbon black filled rubber compound by using modified carbon Black. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2023, 39, 156-168.	0.8	1
2466	Synthesis, characterization, and photocatalytic degradation of anionic dyes using a novel ZnO/activated carbon composite. <i>Watershed Ecology and the Environment</i> , 2023, 5, 80-87.	0.6	9
2467	Rapid Simulation of Decade-Scale Charcoal Aging in Soil: Changes in Physicochemical Properties and Their Environmental Implications. <i>Environmental Science & Technology</i> , 2023, 57, 128-138.	4.6	7
2468	Thermicity of the Decomposition of Oxygen Functional Groups on Cellulose-Derived Chars. <i>ACS Omega</i> , 2022, 7, 48606-48614.	1.6	2
2469	Application of activated carbon obtained from waste vine shoots for removal of toxic level Cu(II) and Pb(II) in simulated stomach medium. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	2
2470	The Influence of Acidic Oxygen Containing Groups Located on the Surface of Graphene Oxide (GO) on the Carbonation of Tricalcium Silicate (C3S) Based on Boehm's Theorem. <i>ChemistrySelect</i> , 2023, 8, .	0.7	0
2471	Comparative Study on Adsorption of Crystal Violet and Chromium (VI) by Activated Carbon Derived from Spent Coffee Grounds. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 985.	1.3	5
2472	Morphology controlled nitrogen-doped mesoporous carbon vehicles for sustained release of paracetamol. <i>Microporous and Mesoporous Materials</i> , 2023, 350, 112449.	2.2	2
2473	Effective utilization of waste plastics towards sustainable control of mosquito. <i>Journal of Cleaner Production</i> , 2023, 386, 135826.	4.6	0
2474	Nano-chlorapatite modification enhancing cadmium(II) adsorption capacity of crop residue biochars. <i>Science of the Total Environment</i> , 2023, 865, 161097.	3.9	10
2475	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.		2
2476	Optimization of synthesis variables and characterization of devilfish bone chars for the removal of cadmium(II) from water. <i>MRS Advances</i> , 2022, 7, 997-1003.	0.5	5

#	ARTICLE	IF	CITATIONS
2477	Nickel Catalysts on Carbon-Mineral Sapropel-Based Supports for Liquid-Phase Hydrogenation of Nitrobenzene. <i>Catalysts</i> , 2023, 13, 82.	1.6	0
2479	Valorization of Solid Wastes from Textile Industry as an Adsorbent Through Activated Carbon Production. <i>AATCC Journal of Research</i> , 0, , 247234442211479.	0.3	0
2481	Removal of emerging pollutants from water using enzyme-immobilized activated carbon from coconut shell. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109803.	3.3	27
2482	Key properties identification of biochar material in anaerobic digestion of sewage sludge for enhancement of methane production. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109850.	3.3	4
2483	Opportunities in the use of carbon materials to develop heterogenized metal complexes for catalytic applications. <i>Inorganica Chimica Acta</i> , 2023, 552, 121513.	1.2	0
2484	High-yield preparation of ultrahigh-hydrophilicity MWCNTs by highly controllable oxidation with concentrated HNO ₃ /HClO ₄ mixture. <i>Applied Surface Science</i> , 2023, 626, 157200.	3.1	1
2486	Twice-milled magnetic biochar: A recyclable material for efficient removal of methylene blue from wastewater. <i>Bioresource Technology</i> , 2023, 372, 128663.	4.8	16
2487	Development of aerated concrete waste/white cement composite for phosphate adsorption from aqueous solutions: Characterization and modeling studies. <i>Chemical Engineering and Processing: Process Intensification</i> , 2023, 184, 109284.	1.8	6
2488	Upgrading catalytic efficiency of activated carbons by tailoring lignocellulosic biomass waste for sustainable conversion of glycerol to solketal. <i>Molecular Catalysis</i> , 2023, 538, 112976.	1.0	2
2489	Hydrolysis of cellulose to glucose in aqueous phase with phosphate group modified hydroxy-rich carbon-based catalyst. <i>Carbon</i> , 2023, 206, 72-83.	5.4	11
2490	Dynamic nuclear polarization “ nuclear magnetic resonance for analyzing surface functional groups on carbonaceous materials. <i>Carbon</i> , 2023, 206, 84-93.	5.4	1
2491	Potassium Permanganate and Sodium Silicate Co-modified Bamboo Charcoal for Efficient Treatment of Ammonia Nitrogen Pollution in Rare Earth Mines: Performance and Mechanism. <i>Water, Air, and Soil Pollution</i> , 2023, 234, .	1.1	1
2492	Bone char modification by iron to improve its capacity for adsorbing fluoride from an aqueous solution. <i>Sustainable Environment Research</i> , 2023, 33, .	2.1	4
2493	Adsorption of cationic dye on nanostructured biocarbons: kinetic and thermodynamic study. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 6787-6801.	1.6	8
2494	Solvent-Assisted Adsorption of Cellulose on a Carbon Catalyst as a Pretreatment Method for Hydrolysis to Glucose. <i>Chemistry</i> , 2023, 5, 381-392.	0.9	0
2496	Lignin-derived carbon material for electrochemical energy storage applications: Insight into the process-structure-properties-performance correlations. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 11, .	2.0	1
2497	Synthesis, characterization and evaluation of porous carbon adsorbents derived from waste biomass for CO ₂ capture. <i>Carbon Letters</i> , 0, , .	3.3	1
2498	Using NMR solvent relaxation to determine the Hansen solubility parameters of a carbon black and as a quick method to compare the surface quality of carbon blacks. <i>Colloid and Polymer Science</i> , 2023, 301, 851-861.	1.0	2

#	ARTICLE	IF	CITATIONS
2499	Biosorption of methylene blue by residue from <i>Lentinus crinitus</i> mushroom cultivation. <i>World Journal of Microbiology and Biotechnology</i> , 2023, 39, .	1.7	0
2500	A general review on the application of adsorption and oxidation combined processes on methyl tert-butyl ether removal. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 11673-11692.	1.8	1
2501	Tuning charcoal to functional reactive filter materials for groundwater defluoridation. <i>Environmental Science: Water Research and Technology</i> , 0, , .	1.2	0
2502	Production of hydrochar from biomass waste as economical adsorbents for methylene blue insight of occurring adsorption phenomena. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	0
2503	Improving Carbonate-Promoted C ^H Carboxylation Using Mesoporous Carbon Supports. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 5876-5882.	3.2	0
2504	Regeneration of [Fe(II)-NTA] ⁺ catalyzed by activated carbon in the simultaneous removal of sulphur dioxide and nitric oxide. <i>Canadian Journal of Chemical Engineering</i> , 2023, 101, 6305-6314.	0.9	0
2505	Carbon nanomaterial-based membranes in solid-phase extraction. <i>Mikrochimica Acta</i> , 2023, 190, .	2.5	9
2506	Competing Ethylene Carbonate Reactions on Carbon Electrode in Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2023, 170, 040516.	1.3	4
2507	Enthalpic Determination of the Interaction of Modified Activated Carbons with Benzene and Hexane as Pure Solvents and Binary Mixtures. <i>Processes</i> , 2023, 11, 1144.	1.3	1
2508	Synthesis of functionalized graphene nanoplatelets through oxidative chlorophosphorylation: technical note. <i>Surface Review and Letters</i> , 0, , .	0.5	0
2509	Significant electrolyte effect on Brønsted basicity of activated carbons. <i>Carbon</i> , 2023, 210, 118050.	5.4	2
2512	Environmental Applications of Activated Carbon. , 2023, , 92-133.		1
2514	Towards a sustainable conversion of biomass/biowaste to porous carbons for CO ₂ adsorption: recent advances, current challenges, and future directions. <i>Green Chemistry</i> , 2023, 25, 4941-4980.	4.6	9
2517	Introduction to Carbocatalysis. , 2023, , 1-42.		0
2543	Nanostructures and Fascinating Properties of Carbon Nanohorns. , 2023, , 1-39.		0
2545	Carbon nanostructures. , 2024, , 111-141.		0
2550	Treatment of Oil-Polluted Seawater by Modified Biochar Immobilized with Petroleum Degrading Bacteria. <i>Lecture Notes in Civil Engineering</i> , 2024, , 9-17.	0.3	0
2558	Remediation of Heavy Metals Using Biochar and its Modified Forms. , 2023, , 210-252.		0

#	ARTICLE	IF	CITATIONS
2572	Study of Biocarbons Derived from the Residues After Supercritical Extraction of Raw Plants from Adsorption of Gaseous NO ₂ —Mini Review. Springer Proceedings in Physics, 2023, , 19-35.	0.1	0
2577	Biological Method of Heavy Metal Management: Biosorption and Bioaccumulation. ACS Symposium Series, 0, , 315-360.	0.5	0