Conchi Ania

List of Publications by Year in Descending Order

154 papers	6,048 citations	45 h-index	70 g-index
160 ext. papers	6,631 ext. citations	7.6 avg, IF	5.94 L-index

#	Paper	IF	Citations
154	Photocatalytic Performance of Carbon-Containing CuMo-Based Catalysts under Sunlight Illumination. *Catalysts*, **2022**, 12, 46	4	0
153	Exploring the use of carbon materials as cathodes in electrochemical advanced oxidation processes for the degradation of antibiotics. *Journal of Environmental Chemical Engineering*, **2022**, 10, 107506	6.8	0
152	Fabrication of a biocathode for formic acid production upon the immobilization of formate dehydrogenase from Candida boidinii on a nanoporous carbon. *Chemosphere*, **2021**, 291, 133117	8.4	0
151	Effect of confinement of horse heart cytochrome c and formate dehydrogenase from Candida boidinii on mesoporous carbons on their catalytic activity. *Bioprocess and Biosystems Engineering*, **2021**, 44, 1699-1710	3.7	1
150	Stabilisation of sheep wool fibres under air atmosphere: Study of physicochemical changes. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2021**, 268, 115115	3.1	4
149	Potential of CO2 capture from flue gases by physicochemical and biological methods: A comparative study. *Chemical Engineering Journal*, **2021**, 417, 128020	14.7	2
148	Porous Organic Polymers Containing Active Metal Centers for Suzuki-Miyaura Heterocoupling Reactions. *ACS Applied Materials & Interfaces*, **2020**, 12, 56974-56986	9.5	9
147	Engaging nanoporous carbons in "beyond adsorption" applications: Characterization, challenges and performance. *Carbon*, **2020**, 164, 69-84	10.4	24
146	Further Extending the Dilution Range of the "Solvent-in-DES" Regime upon the Replacement of Water by an Organic Solvent with Hydrogen Bond Capabilities. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 12120-12131	8.3	11
145	Carbon-Based Sorbent Coatings for the Determination of Pharmaceutical Compounds by Bar Adsorptive Microextraction.. *ACS Applied Bio Materials*, **2020**, 3, 2078-2091	4.1	4
144	Carbon Black as Conductive Additive and Structural Director of Porous Carbon Gels. *Materials*, **2020**, 13,	3.5	2
143	On the analysis of diffuse reflectance measurements to estimate the optical properties of amorphous porous carbons and semiconductor/carbon catalysts. *Journal of Photochemistry and Photobiology A: Chemistry*, **2020**, 398, 112622	4.7	16
142	Role of hydrogen bonding in the capture and storage of ammonia in zeolites. *Chemical Engineering Journal*, **2020**, 387, 124062	14.7	13
141	Exploiting the adsorption of simple gases O2 and H2 with minimal quadrupole moments for the dual gas characterization of nanoporous carbons using 2D-NLDFT models. *Carbon*, **2020**, 160, 164-175	10.4	23
140	Photochemical and electrochemical reduction of graphene oxide thin films: tuning the nature of surface defects. *Physical Chemistry Chemical Physics*, **2020**, 22, 20732-20743	3.6	8
139	Novel opportunities for nanoporous carbons as energetic materials. *Carbon*, **2020**, 164, 129-132	10.4	8
138	Photochemical Degradation of Cyanides and Thiocyanates from an Industrial Wastewater. *Molecules*, **2019**, 24,	4.8	14

137	Influence of protons on reduction degree and defect formation in electrochemically reduced graphene oxide. *Carbon*, **2019**, 149, 722-732	10.4	33
136	Nanoporous Carbons with Tuned Porosity. *Green Energy and Technology*, **2019**, 91-135	0.6	2
135	Molecular Sieves for the Separation of Hydrogen Isotopes. *ACS Applied Materials & Interfaces*, **2019**, 11, 18833-18840	9.5	20
134	Insights on the Use of Carbon Additives as Promoters of the Visible-Light Photocatalytic Activity of Bi□WO□*Materials*, **2019**, 12,	3.5	5
133	Sunlight photoactivity of rice husks-derived biogenic silica. *Catalysis Today*, **2019**, 328, 125-135	5.3	12
132	Tailoring the textural properties of an activated carbon for enhancing its adsorption capacity towards diclofenac from aqueous solution. *Environmental Science and Pollution Research*, **2019**, 26, 6141-6152	5.1	15
131	Chemically activated high grade nanoporous carbons from low density renewable biomass (Agave sisalana) for the removal of pharmaceuticals. *Journal of Colloid and Interface Science*, **2019**, 536, 681-693	9.3	26
130	Competitive siloxane adsorption in multicomponent gas streams for biogas upgrading. *Chemical Engineering Journal*, **2018**, 344, 565-573	14.7	31
129	Enhanced electrochemical response of carbon quantum dot modified electrodes. *Talanta*, **2018**, 178, 679-685	6.2	38
128	Nanoconfinement of glucose oxidase on mesoporous carbon electrodes with tunable pore sizes. *Journal of Electroanalytical Chemistry*, **2018**, 808, 372-379	4.1	18
127	Origin and Perspectives of the Photochemical Activity of Nanoporous Carbons. *Advanced Science*, **2018**, 5, 1800293	13.6	37
126	Assessing the Potential of Biochars Prepared by Steam-Assisted Slow Pyrolysis for CO Adsorption and Separation. *Energy & Fuels*, **2018**, 32, 10218-10227	4.1	36
125	Metal-Free Nanoporous Carbons in Photocatalysis **2018**, 501-527		
124	Solventless Olefin Epoxidation Using a Mo□loaded Sisal Derived Acid-Char Catalyst. *ChemistrySelect*, **2018**, 3, 10357-10363	1.8	1
123	Photoelectrochemical Response of WO3/Nanoporous Carbon Anodes for Photocatalytic Water Oxidation. *Journal of Carbon Research*, **2018**, 4, 45	3.3	3
122	The ability of a fibrous titanium oxophosphate for nitrogen-adsorption above room temperature. *Chemical Communications*, **2017**, 53, 2249-2251	5.8	4
121	A green and fast approach to nanoporous carbons with tuned porosity: UV-assisted condensation of organic compounds at room temperature. *Carbon*, **2017**, 116, 264-274	10.4	6
120	Photochemical reactivity of apical oxygen in KSr(2)Nb(5)O(15) materials for environmental remediation under UV irradiation. *Journal of Colloid and Interface Science*, **2017**, 496, 211-221	9.3	10

119	Designing micro- and mesoporous carbon networks by chemical activation of organic resins. *Adsorption*, **2017**, 23, 303-312	2.6	5
118	Predicting the suitability of aqueous solutions of deep eutectic solvents for preparation of co-continuous porous carbons via spinodal decomposition processes. *Carbon*, **2017**, 123, 536-547	10.4	27
117	Photochemistry of nanoporous carbons: Perspectives in energy conversion and environmental remediation. *Journal of Colloid and Interface Science*, **2017**, 490, 879-901	9.3	37
116	The Role of Carbon on Copper□arbon Composites for the Electrooxidation of Alcohols in an Alkaline Medium. *Journal of Carbon Research*, **2017**, 3, 36	3.3	3
115	Nanoporous carbon/WO3 anodes for an enhanced water photooxidation. *Carbon*, **2016**, 108, 471-479	10.4	23
114	On the use of diatomite as antishrinkage additive in the preparation of monolithic carbon aerogels. *Carbon*, **2016**, 98, 280-284	10.4	5
113	Nitrogen-doped carbons prepared from eutectic mixtures as metal-free oxygen reduction catalysts. *Journal of Materials Chemistry A*, **2016**, 4, 478-488	13	32
112	Moisture insensitive adsorption of ammonia on resorcinol-formaldehyde resins. *Journal of Hazardous Materials*, **2016**, 305, 96-104	12.8	14
111	Boosting visible light conversion in the confined pore space of nanoporous carbons. *Carbon*, **2016**, 96, 98-104	10.4	19
110	Surface Modification of a Nanoporous Carbon Photoanode upon Irradiation. *Molecules*, **2016**, 21,	4.8	4
109	Carbon Materials as Additives to WO3 for an Enhanced Conversion of Simulated Solar Light. *Frontiers in Materials*, **2016**, 3,	4	7
108	Synthesis of Porous and Mechanically Compliant Carbon Aerogels Using Conductive and Structural Additives. *Gels*, **2016**, 2,	4.2	14
107	Role of the surface chemistry of the adsorbent on the initialization step of the water sorption process. *Carbon*, **2016**, 106, 284-288	10.4	27
106	Mn-Containing N-Doped Monolithic Carbon Aerogels with Enhanced Macroporosity as Electrodes for Capacitive Deionization. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 2487-2494	8.3	29
105	Role of crystal size on swing-effect and adsorption induced structure transition of ZIF-8. *Dalton Transactions*, **2016**, 45, 6893-900	4.3	45
104	Sulfur-mediated photochemical energy harvesting in nanoporous carbons. *Carbon*, **2016**, 104, 253-259	10.4	18
103	On the correlation between the porous structure and the electrochemical response of powdered and monolithic carbon aerogels as electrodes for capacitive deionization. *Journal of Solid State Chemistry*, **2016**, 242, 21-28	3.3	13
102	Design and development of a controlled pressure/temperature set-up for in situ studies of solid-gas processes and reactions in a synchrotron X-ray powder diffraction station. *Journal of Synchrotron Radiation*, **2015**, 22, 42-8	2.4	9

101	On the use of carbon black loaded nitrogen-doped carbon aerogel for the electrosorption of sodium chloride from saline water. *Electrochimica Acta*, **2015**, 170, 154-163	6.7	26
100	A rapid microwave-assisted synthesis of a sodium-cadmium metal-organic framework having improved performance as a CO2 adsorbent for CCS. *Dalton Transactions*, **2015**, 44, 9955-63	4.3	27
99	Activated carbons from waste biomass and low rank coals as catalyst supports for hydrogen production by methanol decomposition. *Fuel Processing Technology*, **2015**, 137, 139-147	7.2	31
98	Effect of the irradiation wavelength on the performance of nanoporous carbon as an additive to TiO2. *Applied Catalysis A: General*, **2015**, 507, 91-98	5.1	11
97	Competitive adsorption of ibuprofen and amoxicillin mixtures from aqueous solution on activated carbons. *Journal of Colloid and Interface Science*, **2015**, 449, 252-60	9.3	90
96	Fast synthesis of micro/mesoporous xerogels: Textural and energetic assessment. *Microporous and Mesoporous Materials*, **2015**, 209, 2-9	5.3	11
95	New copper/GO based material as an efficient oxygen reduction catalyst in an alkaline medium: The role of unique Cu/rGO architecture. *Applied Catalysis B: Environmental*, **2015**, 163, 424-435	21.8	64
94	Tuning the Surface Chemistry of Nanoporous Carbons for Enhanced Nanoconfined Photochemical Activity. *ChemCatChem*, **2015**, 7, 3012-3019	5.2	14
93	Dual gas analysis of microporous carbons using 2D-NLDFT heterogeneous surface model and combined adsorption data of N2 and CO2. *Carbon*, **2015**, 91, 330-337	10.4	95
92	Boosting the visible-light photoactivity of Bi2WO6 using acidic carbon additives. *Applied Catalysis A: General*, **2015**, 505, 467-477	5.1	16
91	N-doped monolithic carbon aerogel electrodes with optimized features for the electrosorption of ions. *Carbon*, **2015**, 83, 262-274	10.4	103
90	Mesoporous carbon black-aerogel composites with optimized properties for the electro-assisted removal of sodium chloride from brackish water. *Journal of Electroanalytical Chemistry*, **2015**, 741, 42-50	4.1	28
89	Effects of CO2 activation of carbon aerogels leading to ultrahigh micro-meso porosity. *Microporous and Mesoporous Materials*, **2015**, 209, 18-22	5.3	30
88	Carbon materials based on screen-printing electrochemical platforms in biosensing applications. *SPR Electrochemistry*, **2015**, 133-169		5
87	Visible-light photochemical activity of nanoporous carbons under monochromatic light. *Angewandte Chemie - International Edition*, **2014**, 53, 4146-8	16.4	46
86	Visible light driven photooxidation of phenol on TiO2/Cu-loaded carbon catalysts. *Carbon*, **2014**, 76, 183-192	10.4	24
85	Efficient nitrogen-doping and structural control of hierarchical carbons using unconventional precursors in the form of deep eutectic solvents. *Journal of Materials Chemistry A*, **2014**, 2, 17387-17399	13	35
84	Surface Modification of CNTs with N-Doped Carbon: An Effective Way of Enhancing Their Performance in Supercapacitors. *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 1049-1055	8.3	94

83	Supercapacitive Behavior of Two Glucose-Derived Microporous Carbons: Direct Pyrolysis versus Hydrothermal Carbonization. *ChemElectroChem*, **2014**, 1, 2138-2145	4.3	50
82	Visible light driven photoelectrochemical water splitting on metal free nanoporous carbon promoted by chromophoric functional groups. *Carbon*, **2014**, 79, 432-441	10.4	41
81	Electrocatalytic activity of Ni-doped nanoporous carbons in the electrooxidation of propargyl alcohol. *Carbon*, **2014**, 73, 291-302	10.4	9
80	Visible-Light Photochemical Activity of Nanoporous Carbons under Monochromatic Light. *Angewandte Chemie*, **2014**, 126, 4230-4232	3.6	6
79	Performance of activated carbons in consecutive phenol photooxidation cycles. *Carbon*, **2014**, 73, 206-215	10.4	40
78	A novel method for metal oxide deposition on carbon aerogels with potential application in capacitive deionization of saline water. *Electrochimica Acta*, **2014**, 135, 208-216	6.7	69
77	Catalytic behavior of alkali-treated Pt/HMOR in n-hexane hydroisomerization. *Applied Catalysis A: General*, **2014**, 476, 148-157	5.1	21
76	Surface Chemistry of Green Carbons **2014**, 1-33		1
75	Carbon black directed synthesis of ultrahigh mesoporous carbon aerogels. *Carbon*, **2013**, 63, 487-497	10.4	25
74	Light-induced generation of radicals on semiconductor-free carbon photocatalysts. *Applied Catalysis A: General*, **2013**, 453, 310-315	5.1	44
73	Toward a Transferable Set of Charges to Model Zeolitic Imidazolate Frameworks: Combined Experimental–Theoretical Research. *Journal of Physical Chemistry C*, **2013**, 117, 466-471	3.8	20
72	Photoinduced reactions occurring on activated carbons. A combined photooxidation and ESR study. *Applied Catalysis A: General*, **2013**, 452, 1-8	5.1	49
71	Insights on the Molecular Mechanisms of Hydrogen Adsorption in Zeolites. *Journal of Physical Chemistry C*, **2013**, 117, 14374-14380	3.8	22
70	Tuning the Photocatalytic Activity and Optical Properties of Mesoporous TiO2 Spheres by a Carbon Scaffold. *Journal of Catalysts*, **2013**, 2013, 1-9		6
69	Characterization of the different fractions obtained from the pyrolysis of rope industry waste. *Journal of Analytical and Applied Pyrolysis*, **2012**, 95, 31-37	6	10
68	Dual role of copper on the reactivity of activated carbons from coal and lignocellulosic precursors. *Microporous and Mesoporous Materials*, **2012**, 154, 68-73	5.3	22
67	Porosity development during steam activation of carbon foams from chemically modified pitch. *Microporous and Mesoporous Materials*, **2012**, 154, 56-61	5.3	35
66	Electrochemical response of carbon aerogel electrodes in saline water. *Journal of Electroanalytical Chemistry*, **2012**, 671, 92-98	4.1	52

65	Low temperature regeneration of activated carbons using microwaves: revising conventional wisdom. *Journal of Environmental Management*, **2012**, 102, 134-40	7.9	54
64	Carbon-mediated photoinduced reactions as a key factor in the photocatalytic performance of C/TiO2. *Catalysis Science and Technology*, **2012**, 2, 2264	5.5	30
63	Linz-Donawitz steel slag for the removal of hydrogen sulfide at room temperature. *Environmental Science & Technology*, **2012**, 46, 8992-7	10.3	24
62	Deep eutectic assisted synthesis of carbon adsorbents highly suitable for low-pressure separation of CO2□H4 gas mixtures. *Energy and Environmental Science*, **2012**, 5, 8699	35.4	67
61	Pt/carbon materials as bi-functional catalysts for n-decane hydroisomerization. *Microporous and Mesoporous Materials*, **2012**, 163, 21-28	5.3	11
60	Understanding Gas-Induced Structural Deformation of ZIF-8. *Journal of Physical Chemistry Letters*, **2012**, 3, 1159-64	6.4	117
59	Photochemical Behavior of Carbon Adsorbents **2012**, 521-547		7
58	Upgrading of Wastewater Treatment Plants Through the Use of Unconventional Treatment Technologies: Removal of Lidocaine, Tramadol, Venlafaxine and Their Metabolites. *Water (Switzerland)*, **2012**, 4, 650-669	3	24
57	Photochemical behaviour of activated carbons under UV irradiation. *Carbon*, **2012**, 50, 249-258	10.4	84
56	Role of phosphorus in carbon matrix in desulfurization of diesel fuel using adsorption process. *Fuel*, **2012**, 92, 318-326	7.1	47
55	Deep eutectic solvents as both precursors and structure directing agents in the synthesis of nitrogen doped hierarchical carbons highly suitable for CO2 capture. *Energy and Environmental Science*, **2011**, 4, 3535	35.4	165
54	Reactive adsorption of penicillin on activated carbons. *Adsorption*, **2011**, 17, 421-429	2.6	19
53	Understanding phenol adsorption mechanisms on activated carbons. *Adsorption*, **2011**, 17, 247-254	2.6	39
52	Activated carbon from coal tar pitch and furfural for the removal of p-nitrophenol and m-aminophenol. *Chemical Engineering Journal*, **2011**, 172, 102-108	14.7	34
51	On the Adsorption Kinetics and Equilibrium of Polyaromatic Hydrocarbons from Aqueous Solution. *Adsorption Science and Technology*, **2011**, 29, 467-478	3.6	10
50	Stability of a carbon gel electrode when used for the electro-assisted removal of ions from brackish water. *Carbon*, **2011**, 49, 3723-3730	10.4	84
49	Adsorption of p-cresol on novel diatomite/carbon composites. *Journal of Hazardous Materials*, **2011** , 188, 304-10	12.8	33
48	Adsorption of Thiocyanate Anions from Aqueous Solution onto Adsorbents of Various Origin. *Adsorption Science and Technology*, **2010**, 28, 705-716	3.6	8

47	Phenol Adsorption and Photo-Oxidation on Porous Carbon/Titania Composites. *Adsorption Science and Technology*, **2010**, 28, 727-738	3.6	16
46	Carbon foams as catalyst supports for phenol photodegradation. *Journal of Hazardous Materials*, **2010**, 184, 843-848	12.8	46
45	Surface heterogeneity effects of activated carbons on the kinetics of paracetamol removal from aqueous solution. *Applied Surface Science*, **2010**, 256, 5171-5175	6.7	78
44	Synthesis of nanoporous carbons from mixtures of coal tar pitch and furfural and their application as electrode materials. *Fuel Processing Technology*, **2010**, 91, 1710-1716	7.2	25
43	Effect of outgassing temperature on the performance of porous materials. *Applied Surface Science*, **2010**, 256, 5182-5186	6.7	18
42	Role of activated carbon features on the photocatalytic degradation of phenol. *Applied Surface Science*, **2010**, 256, 5254-5258	6.7	110
41	Removal of an analgesic using activated carbons prepared from urban and industrial residues. *Chemical Engineering Journal*, **2010**, 163, 249-255	14.7	121
40	Waste-derived activated carbons for removal of ibuprofen from solution: role of surface chemistry and pore structure. *Bioresource Technology*, **2009**, 100, 1720-6	11	179
39	Thermodynamics of hydrogen adsorption on calcium-exchanged faujasite-type zeolites. *International Journal of Hydrogen Energy*, **2009**, 34, 4371-4378	6.7	31
38	Adsorption of naphthalene from aqueous solution on activated carbons obtained from bean pods. *Journal of Hazardous Materials*, **2009**, 161, 1150-6	12.8	78
37	Improved phenol adsorption on carbons after mild temperature steam reactivation. *Journal of Hazardous Materials*, **2009**, 166, 1289-95	12.8	9
36	Biomass waste-derived activated carbon for the removal of arsenic and manganese ions from aqueous solutions. *Applied Surface Science*, **2009**, 255, 4650-4657	6.7	102
35	Polarization-induced distortion of ions in the pores of carbon electrodes for electrochemical capacitors. *Carbon*, **2009**, 47, 3158-3166	10.4	64
34	Kinetics of naphthalene adsorption on an activated carbon: comparison between aqueous and organic media. *Chemosphere*, **2009**, 76, 433-8	8.4	52
33	Reply to Comments by Yuh-Shan Ho on Kinetics of naphthalene adsorption on an activated carbon: Comparison between aqueous and organic media[Chemosphere 76 (4) (2009) 433438]. *Chemosphere*, **2009**, 77, 1454	8.4	1
32	Transferable Force Field for Carbon Dioxide Adsorption in Zeolites. *Journal of Physical Chemistry C*, **2009**, 113, 8814-8820	3.8	160
31	Guest-induced modification of a magnetically active ultramicroporous, gismondine-like, copper(II) coordination network. *Journal of the American Chemical Society*, **2008**, 130, 3978-84	16.4	140
30	Electrochemical regeneration of activated carbon cloth exhausted with bentazone. *Environmental Science & Technology*, **2008**, 42, 4500-6	10.3	33

29	Role of surface adsorption and porosity features in the molecular recognition ability of imprinted sol-gels. *Biosensors and Bioelectronics*, **2008**, 23, 1101-8	11.8	19
28	Borderline microporous–ultramicroporous palladium(II) coordination polymer networks. Effect of pore functionalisation on gas adsorption properties. *Journal of Materials Chemistry*, **2007**, 17, 1939-1946		45
27	Effects of activated carbon properties on the adsorption of naphthalene from aqueous solutions. *Applied Surface Science*, **2007**, 253, 5741-5746	6.7	50
26	On the mechanism of reactive adsorption of dibenzothiophene on organic waste derived carbons. *Applied Surface Science*, **2007**, 253, 5899-5903	6.7	43
25	Using DFT analysis of adsorption data of multiple gases including H2 for the comprehensive characterization of microporous carbons. *Carbon*, **2007**, 45, 1066-1071	10.4	42
24	A comparison of characterization methods based on N2 and CO2 adsorption for the assessment of the pore size distribution of carbons. *Studies in Surface Science and Catalysis*, **2007**, 160, 319-326	1.8	9
23	Chemically modified nanoporous carbons obtained using template carbonization method. *Studies in Surface Science and Catalysis*, **2007**, 160, 559-566	1.8	2
22	Importance of the Hydrophobic Character of Activated Carbons on the Removal of Naphthalene from the Aqueous Phase. *Adsorption Science and Technology*, **2007**, 25, 155-167	3.6	31
21	Removal of naphthalene from aqueous solution on chemically modified activated carbons. *Water Research*, **2007**, 41, 333-40	12.5	69
20	Mechanism of adsorption and electrosorption of bentazone on activated carbon cloth in aqueous solutions. *Water Research*, **2007**, 41, 3372-80	12.5	69
19	Microwave-assisted regeneration of activated carbons loaded with pharmaceuticals. *Water Research*, **2007**, 41, 3299-306	12.5	99
18	Chapter 4 Surface chemistry of activated carbons and its characterization. *Interface Science and Technology*, **2006**, 159-229	2.3	101
17	Sodium on the Surface of Activated Carbons as a Factor Enhancing Reactive Adsorption of Dibenzothiophene. *Energy & Fuels*, **2006**, 20, 1076-1080	4.1	19
16	Structural Changes in Polyethylene Terephthalate (PET) Waste Materials Caused by Pyrolysis and CO2 Activation. *Adsorption Science and Technology*, **2006**, 24, 439-450	3.6	15
15	Metal-loaded polystyrene-based activated carbons as dibenzothiophene removal media via reactive adsorption. *Carbon*, **2006**, 44, 2404-2412	10.4	117
14	Solvent-free ionic liquids as in situ probes for assessing the effect of ion size on the performance of electrical double layer capacitors. *Carbon*, **2006**, 44, 3126-3130	10.4	52
13	Highly mesoporous carbons obtained using a dynamic template method. *Microporous and Mesoporous Materials*, **2006**, 89, 315-324	5.3	15
12	H2, N2, CO, and CO2 sorption properties of a series of robust sodalite-type microporous coordination polymers. *Inorganic Chemistry*, **2006**, 45, 2397-9	5.1	144

11	Importance of structural and chemical heterogeneity of activated carbon surfaces for adsorption of dibenzothiophene. *Langmuir*, **2005**, 21, 7752-9	4	195
10	Effect of microwave and conventional regeneration on the microporous and mesoporous network and on the adsorptive capacity of activated carbons. *Microporous and Mesoporous Materials*, **2005**, 85, 7-15	5.3	204
9	Surface modification of low cost carbons for their application in the environmental protection. *Applied Surface Science*, **2005**, 252, 619-624	6.7	95
8	Pyrolysis of activated carbons exhausted with organic compounds. *Journal of Analytical and Applied Pyrolysis*, **2005**, 74, 518-524	6	34
7	Microwave-induced regeneration of activated carbons polluted with phenol. A comparison with conventional thermal regeneration. *Carbon*, **2004**, 42, 1383-1387	10.4	147
6	High value carbon materials from PET recycling. *Applied Surface Science*, **2004**, 238, 304-308	6.7	50
5	Textural development and hydrogen adsorption of carbon materials from PET waste. *Journal of Alloys and Compounds*, **2004**, 379, 280-289	5.7	56
4	Oxygen-Induced Decrease in the Equilibrium Adsorptive Capacities of Activated Carbons. *Adsorption Science and Technology*, **2004**, 22, 337-351	3.6	28
3	Effect of texture and surface chemistry on adsorptive capacities of activated carbons for phenolic compounds removal. *Fuel Processing Technology*, **2002**, 77-78, 337-343	7.2	39
2	Influence of oxygen-containing functional groups on active carbon adsorption of selected organic compounds. *Fuel Processing Technology*, **2002**, 79, 265-271	7.2	78
1	Textural characterisation of activated carbons obtained from poly(ethylene terephthalate) by carbon dioxide activation. *Studies in Surface Science and Catalysis*, **2002**, 537-543	1.8	20