

Conchi Ania

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2163633/publications.pdf>

Version: 2024-02-01

156
papers

7,341
citations

44069

48
h-index

66911

78
g-index

160
all docs

160
docs citations

160
times ranked

8519
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of a biocathode for formic acid production upon the immobilization of formate dehydrogenase from <i>Candida boidinii</i> on a nanoporous carbon. <i>Chemosphere</i> , 2022, 291, 133117.	8.2	9
2	Photocatalytic Performance of Carbon-Containing CuMo-Based Catalysts under Sunlight Illumination. <i>Catalysts</i> , 2022, 12, 46.	3.5	8
3	Carbon science perspective in 2022: Current research and future challenges. <i>Carbon</i> , 2022, 195, 272-291.	10.3	19
4	Exploring the use of carbon materials as cathodes in electrochemical advanced oxidation processes for the degradation of antibiotics. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107506.	6.7	11
5	Performance of a C-containing Cu-based photocatalyst for the degradation of tartrazine: Comparison of performance in a slurry and CPC photoreactor under artificial and natural solar light. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 646-659.	9.4	7
6	Potential of CO ₂ capture from flue gases by physicochemical and biological methods: A comparative study. <i>Chemical Engineering Journal</i> , 2021, 417, 128020.	12.7	17
7	Effect of confinement of horse heart cytochrome c and formate dehydrogenase from <i>Candida boidinii</i> on mesoporous carbons on their catalytic activity. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1699-1710.	3.4	3
8	Stabilisation of sheep wool fibres under air atmosphere: Study of physicochemical changes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 268, 115115.	3.5	8
9	Editorial special issue IBA-3. <i>Adsorption</i> , 2020, 26, 151-152.	3.0	0
10	Role of hydrogen bonding in the capture and storage of ammonia in zeolites. <i>Chemical Engineering Journal</i> , 2020, 387, 124062.	12.7	37
11	Exploiting the adsorption of simple gases O ₂ and H ₂ with minimal quadrupole moments for the dual gas characterization of nanoporous carbons using 2D-NLDFT models. <i>Carbon</i> , 2020, 160, 164-175.	10.3	44
12	Photochemical and electrochemical reduction of graphene oxide thin films: tuning the nature of surface defects. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 20732-20743.	2.8	25
13	Porous Organic Polymers Containing Active Metal Centers for Suzuki-Miyaura Heterocoupling Reactions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56974-56986.	8.0	23
14	Engaging nanoporous carbons in "beyond adsorption" applications: Characterization, challenges and performance. <i>Carbon</i> , 2020, 164, 69-84.	10.3	41
15	Further Extending the Dilution Range of the "Solvent-in-DES" Regime upon the Replacement of Water by an Organic Solvent with Hydrogen Bond Capabilities. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12120-12131.	6.7	20
16	Carbon-Based Sorbent Coatings for the Determination of Pharmaceutical Compounds by Bar Adsorptive Microextraction. <i>ACS Applied Bio Materials</i> , 2020, 3, 2078-2091.	4.6	5
17	Carbon Black as Conductive Additive and Structural Director of Porous Carbon Gels. <i>Materials</i> , 2020, 13, 217.	2.9	16
18	Novel opportunities for nanoporous carbons as energetic materials. <i>Carbon</i> , 2020, 164, 129-132.	10.3	15

#	ARTICLE	IF	CITATIONS
19	On the analysis of diffuse reflectance measurements to estimate the optical properties of amorphous porous carbons and semiconductor/carbon catalysts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 398, 112622.	3.9	72
20	Photochemical Degradation of Cyanides and Thiocyanates from an Industrial Wastewater. <i>Molecules</i> , 2019, 24, 1373.	3.8	23
21	Influence of protons on reduction degree and defect formation in electrochemically reduced graphene oxide. <i>Carbon</i> , 2019, 149, 722-732.	10.3	56
22	Nanoporous Carbons with Tuned Porosity. <i>Green Energy and Technology</i> , 2019, , 91-135.	0.6	2
23	Molecular Sieves for the Separation of Hydrogen Isotopes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18833-18840.	8.0	36
24	Insights on the Use of Carbon Additives as Promoters of the Visible-Light Photocatalytic Activity of Bi ₂ WO ₆ . <i>Materials</i> , 2019, 12, 385.	2.9	5
25	Sunlight photoactivity of rice husks-derived biogenic silica. <i>Catalysis Today</i> , 2019, 328, 125-135.	4.4	21
26	Tailoring the textural properties of an activated carbon for enhancing its adsorption capacity towards diclofenac from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2019, 26, 6141-6152.	5.3	28
27	Chemically activated high grade nanoporous carbons from low density renewable biomass (Agave) Tj ETQq1 1 0.784314 rgBT /Overlo 681-693.	9.4	41
28	Competitive siloxane adsorption in multicomponent gas streams for biogas upgrading. <i>Chemical Engineering Journal</i> , 2018, 344, 565-573.	12.7	48
29	Enhanced electrochemical response of carbon quantum dot modified electrodes. <i>Talanta</i> , 2018, 178, 679-685.	5.5	55
30	Nanoconfinement of glucose oxidase on mesoporous carbon electrodes with tunable pore sizes. <i>Journal of Electroanalytical Chemistry</i> , 2018, 808, 372-379.	3.8	23
31	Solventless Olefin Epoxidation Using a Mo-loaded Sisal Derived Acid-Char Catalyst. <i>ChemistrySelect</i> , 2018, 3, 10357-10363.	1.5	3
32	Photoelectrochemical Response of WO ₃ /Nanoporous Carbon Anodes for Photocatalytic Water Oxidation. <i>Journal of Carbon Research</i> , 2018, 4, 45.	2.7	5
33	Origin and Perspectives of the Photochemical Activity of Nanoporous Carbons. <i>Advanced Science</i> , 2018, 5, 1800293.	11.2	45
34	Assessing the Potential of Biochars Prepared by Steam-Assisted Slow Pyrolysis for CO ₂ Adsorption and Separation. <i>Energy & Fuels</i> , 2018, 32, 10218-10227.	5.1	64
35	The ability of a fibrous titanium oxophosphate for nitrogen-adsorption above room temperature. <i>Chemical Communications</i> , 2017, 53, 2249-2251.	4.1	4
36	A green and fast approach to nanoporous carbons with tuned porosity: UV-assisted condensation of organic compounds at room temperature. <i>Carbon</i> , 2017, 116, 264-274.	10.3	10

#	ARTICLE	IF	CITATIONS
37	Photochemical reactivity of apical oxygen in K _{Sr} 2Nb5O15 materials for environmental remediation under UV irradiation. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 211-221.	9.4	17
38	Designing micro- and mesoporous carbon networks by chemical activation of organic resins. <i>Adsorption</i> , 2017, 23, 303-312.	3.0	5
39	Predicting the suitability of aqueous solutions of deep eutectic solvents for preparation of co-continuous porous carbons via spinodal decomposition processes. <i>Carbon</i> , 2017, 123, 536-547.	10.3	29
40	Photochemistry of nanoporous carbons: Perspectives in energy conversion and environmental remediation. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 879-901.	9.4	48
41	The Role of Carbon on Copperâ€“Carbon Composites for the Electrooxidation of Alcohols in an Alkaline Medium. <i>Journal of Carbon Research</i> , 2017, 3, 36.	2.7	5
42	Surface Modification of a Nanoporous Carbon Photoanode upon Irradiation. <i>Molecules</i> , 2016, 21, 1611.	3.8	4
43	Carbon Materials as Additives to WO ₃ for an Enhanced Conversion of Simulated Solar Light. <i>Frontiers in Materials</i> , 2016, 3, .	2.4	7
44	Synthesis of Porous and Mechanically Compliant Carbon Aerogels Using Conductive and Structural Additives. <i>Gels</i> , 2016, 2, 4.	4.5	19
45	Role of the surface chemistry of the adsorbent on the initialization step of the water sorption process. <i>Carbon</i> , 2016, 106, 284-288.	10.3	28
46	Mn-Containing N-Doped Monolithic Carbon Aerogels with Enhanced Macroporosity as Electrodes for Capacitive Deionization. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2487-2494.	6.7	32
47	Role of crystal size on swing-effect and adsorption induced structure transition of ZIF-8. <i>Dalton Transactions</i> , 2016, 45, 6893-6900.	3.3	66
48	Sulfur-mediated photochemical energy harvesting in nanoporous carbons. <i>Carbon</i> , 2016, 104, 253-259.	10.3	20
49	On the correlation between the porous structure and the electrochemical response of powdered and monolithic carbon aerogels as electrodes for capacitive deionization. <i>Journal of Solid State Chemistry</i> , 2016, 242, 21-28.	2.9	14
50	Nanoporous carbon/WO ₃ anodes for an enhanced water photooxidation. <i>Carbon</i> , 2016, 108, 471-479.	10.3	27
51	On the use of diatomite as antishrinkage additive in the preparation of monolithic carbon aerogels. <i>Carbon</i> , 2016, 98, 280-284.	10.3	6
52	Nitrogen-doped carbons prepared from eutectic mixtures as metal-free oxygen reduction catalysts. <i>Journal of Materials Chemistry A</i> , 2016, 4, 478-488.	10.3	35
53	Moisture insensitive adsorption of ammonia on resorcinol-formaldehyde resins. <i>Journal of Hazardous Materials</i> , 2016, 305, 96-104.	12.4	18
54	Boosting visible light conversion in the confined pore space of nanoporous carbons. <i>Carbon</i> , 2016, 96, 98-104.	10.3	20

#	ARTICLE	IF	CITATIONS
55	Tuning the Surface Chemistry of Nanoporous Carbons for Enhanced Nanoconfined Photochemical Activity. <i>ChemCatChem</i> , 2015, 7, 3012-3019.	3.7	16
56	Dual gas analysis of microporous carbons using 2D-NLDFT heterogeneous surface model and combined adsorption data of N ₂ and CO ₂ . <i>Carbon</i> , 2015, 91, 330-337.	10.3	133
57	Boosting the visible-light photoactivity of Bi ₂ WO ₆ using acidic carbon additives. <i>Applied Catalysis A: General</i> , 2015, 505, 467-477.	4.3	16
58	N-doped monolithic carbon aerogel electrodes with optimized features for the electrosorption of ions. <i>Carbon</i> , 2015, 83, 262-274.	10.3	118
59	Mesoporous carbon black-aerogel composites with optimized properties for the electro-assisted removal of sodium chloride from brackish water. <i>Journal of Electroanalytical Chemistry</i> , 2015, 741, 42-50.	3.8	31
60	Effects of CO ₂ activation of carbon aerogels leading to ultrahigh micro-meso porosity. <i>Microporous and Mesoporous Materials</i> , 2015, 209, 18-22.	4.4	33
61	Design and development of a controlled pressure/temperature set-up for <i>in situ</i> studies of "solid" gas processes and reactions in a synchrotron X-ray powder diffraction station. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 42-48.	2.4	11
62	On the use of carbon black loaded nitrogen-doped carbon aerogel for the electrosorption of sodium chloride from saline water. <i>Electrochimica Acta</i> , 2015, 170, 154-163.	5.2	30
63	A rapid microwave-assisted synthesis of a sodium-cadmium metal-organic framework having improved performance as a CO ₂ adsorbent for CCS. <i>Dalton Transactions</i> , 2015, 44, 9955-9963.	3.3	35
64	Activated carbons from waste biomass and low rank coals as catalyst supports for hydrogen production by methanol decomposition. <i>Fuel Processing Technology</i> , 2015, 137, 139-147.	7.2	40
65	Effect of the irradiation wavelength on the performance of nanoporous carbon as an additive to TiO ₂ . <i>Applied Catalysis A: General</i> , 2015, 507, 91-98.	4.3	14
66	Competitive adsorption of ibuprofen and amoxicillin mixtures from aqueous solution on activated carbons. <i>Journal of Colloid and Interface Science</i> , 2015, 449, 252-260.	9.4	112
67	Fast synthesis of micro/mesoporous xerogels: Textural and energetic assessment. <i>Microporous and Mesoporous Materials</i> , 2015, 209, 2-9.	4.4	13
68	New copper/GO based material as an efficient oxygen reduction catalyst in an alkaline medium: The role of unique Cu/rGO architecture. <i>Applied Catalysis B: Environmental</i> , 2015, 163, 424-435.	20.2	77
69	Carbon materials based on screen-printing electrochemical platforms in biosensing applications. <i>SPR Electrochemistry</i> , 2015, , 133-169.	0.7	6
70	Performance of activated carbons in consecutive phenol photooxidation cycles. <i>Carbon</i> , 2014, 73, 206-215.	10.3	45
71	A novel method for metal oxide deposition on carbon aerogels with potential application in capacitive deionization of saline water. <i>Electrochimica Acta</i> , 2014, 135, 208-216.	5.2	81
72	Catalytic behavior of alkali-treated Pt/HMOR in n-hexane hydroisomerization. <i>Applied Catalysis A: General</i> , 2014, 476, 148-157.	4.3	24

#	ARTICLE	IF	CITATIONS
73	Visible-Light Photochemical Activity of Nanoporous Carbons under Monochromatic Light. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4146-4148.	13.8	49
74	Visible light driven photooxidation of phenol on TiO ₂ /Cu-loaded carbon catalysts. <i>Carbon</i> , 2014, 76, 183-192.	10.3	27
75	Efficient nitrogen-doping and structural control of hierarchical carbons using unconventional precursors in the form of deep eutectic solvents. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17387-17399.	10.3	37
76	Surface Modification of CNTs with N-Doped Carbon: An Effective Way of Enhancing Their Performance in Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1049-1055.	6.7	111
77	Supercapacitive Behavior of Two Glucose-Derived Microporous Carbons: Direct Pyrolysis versus Hydrothermal Carbonization. <i>ChemElectroChem</i> , 2014, 1, 2138-2145.	3.4	59
78	Visible light driven photoelectrochemical water splitting on metal free nanoporous carbon promoted by chromophoric functional groups. <i>Carbon</i> , 2014, 79, 432-441.	10.3	47
79	Electrocatalytic activity of Ni-doped nanoporous carbons in the electrooxidation of propargyl alcohol. <i>Carbon</i> , 2014, 73, 291-302.	10.3	9
80	Surface Chemistry of Green Carbons. , 2014, , 1-33.		1
81	Carbon black directed synthesis of ultrahigh mesoporous carbon aerogels. <i>Carbon</i> , 2013, 63, 487-497.	10.3	28
82	Light-induced generation of radicals on semiconductor-free carbon photocatalysts. <i>Applied Catalysis A: General</i> , 2013, 453, 310-315.	4.3	47
83	Toward a Transferable Set of Charges to Model Zeolitic Imidazolate Frameworks: Combined Experimental-Theoretical Research. <i>Journal of Physical Chemistry C</i> , 2013, 117, 466-471.	3.1	24
84	Photoinduced reactions occurring on activated carbons. A combined photooxidation and ESR study. <i>Applied Catalysis A: General</i> , 2013, 452, 1-8.	4.3	52
85	Insights on the Molecular Mechanisms of Hydrogen Adsorption in Zeolites. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14374-14380.	3.1	33
86	Tuning the Photocatalytic Activity and Optical Properties of Mesoporous TiO ₂ Spheres by a Carbon Scaffold. <i>Journal of Catalysis</i> , 2013, 2013, 1-9.	0.5	7
87	Carbon-mediated photoinduced reactions as a key factor in the photocatalytic performance of C/TiO ₂ . <i>Catalysis Science and Technology</i> , 2012, 2, 2264.	4.1	34
88	Linz-Donawitz Steel Slag for the Removal of Hydrogen Sulfide at Room Temperature. <i>Environmental Science & Technology</i> , 2012, 46, 8992-8997.	10.0	28
89	Deep eutectic assisted synthesis of carbon adsorbents highly suitable for low-pressure separation of CO ₂ -CH ₄ gas mixtures. <i>Energy and Environmental Science</i> , 2012, 5, 8699.	30.8	71
90	Pt/carbon materials as bi-functional catalysts for n-decane hydroisomerization. <i>Microporous and Mesoporous Materials</i> , 2012, 163, 21-28.	4.4	11

#	ARTICLE	IF	CITATIONS
91	Understanding Gas-Induced Structural Deformation of ZIF-8. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1159-1164.	4.6	143
92	Photochemical Behavior of Carbon Adsorbents. , 2012, , 521-547.		7
93	Upgrading of Wastewater Treatment Plants Through the Use of Unconventional Treatment Technologies: Removal of Lidocaine, Tramadol, Venlafaxine and Their Metabolites. <i>Water (Switzerland)</i> , 2012, 4, 650-669.	2.7	26
94	Photochemical behaviour of activated carbons under UV irradiation. <i>Carbon</i> , 2012, 50, 249-258.	10.3	91
95	Role of phosphorus in carbon matrix in desulfurization of diesel fuel using adsorption process. <i>Fuel</i> , 2012, 92, 318-326.	6.4	54
96	Characterization of the different fractions obtained from the pyrolysis of rope industry waste. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012, 95, 31-37.	5.5	13
97	Dual role of copper on the reactivity of activated carbons from coal and lignocellulosic precursors. <i>Microporous and Mesoporous Materials</i> , 2012, 154, 68-73.	4.4	29
98	Porosity development during steam activation of carbon foams from chemically modified pitch. <i>Microporous and Mesoporous Materials</i> , 2012, 154, 56-61.	4.4	37
99	Electrochemical response of carbon aerogel electrodes in saline water. <i>Journal of Electroanalytical Chemistry</i> , 2012, 671, 92-98.	3.8	57
100	Low temperature regeneration of activated carbons using microwaves: Revising conventional wisdom. <i>Journal of Environmental Management</i> , 2012, 102, 134-140.	7.8	61
101	On the Adsorption Kinetics and Equilibrium of Polyaromatic Hydrocarbons from Aqueous Solution. <i>Adsorption Science and Technology</i> , 2011, 29, 467-478.	3.2	12
102	Deep eutectic solvents as both precursors and structure directing agents in the synthesis of nitrogen doped hierarchical carbons highly suitable for CO ₂ capture. <i>Energy and Environmental Science</i> , 2011, 4, 3535.	30.8	176
103	Reactive adsorption of penicillin on activated carbons. <i>Adsorption</i> , 2011, 17, 421-429.	3.0	20
104	Understanding phenol adsorption mechanisms on activated carbons. <i>Adsorption</i> , 2011, 17, 247-254.	3.0	43
105	Activated carbon from coal tar pitch and furfural for the removal of p-nitrophenol and m-aminophenol. <i>Chemical Engineering Journal</i> , 2011, 172, 102-108.	12.7	40
106	Stability of a carbon gel electrode when used for the electro-assisted removal of ions from brackish water. <i>Carbon</i> , 2011, 49, 3723-3730.	10.3	96
107	Adsorption of p-cresol on novel diatomite/carbon composites. <i>Journal of Hazardous Materials</i> , 2011, 188, 304-310.	12.4	39
108	Phenol Adsorption and Photo-Oxidation on Porous Carbon/Titania Composites. <i>Adsorption Science and Technology</i> , 2010, 28, 727-738.	3.2	16

#	ARTICLE	IF	CITATIONS
109	Carbon foams as catalyst supports for phenol photodegradation. <i>Journal of Hazardous Materials</i> , 2010, 184, 843-848.	12.4	50
110	Surface heterogeneity effects of activated carbons on the kinetics of paracetamol removal from aqueous solution. <i>Applied Surface Science</i> , 2010, 256, 5171-5175.	6.1	90
111	Synthesis of nanoporous carbons from mixtures of coal tar pitch and furfural and their application as electrode materials. <i>Fuel Processing Technology</i> , 2010, 91, 1710-1716.	7.2	28
112	Effect of outgassing temperature on the performance of porous materials. <i>Applied Surface Science</i> , 2010, 256, 5182-5186.	6.1	20
113	Role of activated carbon features on the photocatalytic degradation of phenol. <i>Applied Surface Science</i> , 2010, 256, 5254-5258.	6.1	121
114	Removal of an analgesic using activated carbons prepared from urban and industrial residues. <i>Chemical Engineering Journal</i> , 2010, 163, 249-255.	12.7	157
115	Adsorption of Thiocyanate Anions from Aqueous Solution onto Adsorbents of Various Origin. <i>Adsorption Science and Technology</i> , 2010, 28, 705-716.	3.2	9
116	Waste-derived activated carbons for removal of ibuprofen from solution: Role of surface chemistry and pore structure. <i>Bioresource Technology</i> , 2009, 100, 1720-1726.	9.6	208
117	Thermodynamics of hydrogen adsorption on calcium-exchanged faujasite-type zeolites. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 4371-4378.	7.1	36
118	Adsorption of naphthalene from aqueous solution on activated carbons obtained from bean pods. <i>Journal of Hazardous Materials</i> , 2009, 161, 1150-1156.	12.4	102
119	Improved phenol adsorption on carbons after mild temperature steam reactivation. <i>Journal of Hazardous Materials</i> , 2009, 166, 1289-1295.	12.4	10
120	Biomass waste-derived activated carbon for the removal of arsenic and manganese ions from aqueous solutions. <i>Applied Surface Science</i> , 2009, 255, 4650-4657.	6.1	120
121	Polarization-induced distortion of ions in the pores of carbon electrodes for electrochemical capacitors. <i>Carbon</i> , 2009, 47, 3158-3166.	10.3	79
122	Kinetics of naphthalene adsorption on an activated carbon: Comparison between aqueous and organic media. <i>Chemosphere</i> , 2009, 76, 433-438.	8.2	60
123	Reply to Comments by Yuh-Shan Ho on "Kinetics of naphthalene adsorption on an activated carbon: Comparison between aqueous and organic media" [<i>Chemosphere</i> 76 (4) (2009) 433-438]. <i>Chemosphere</i> , 2009, 77, 1454.	8.2	1
124	Transferable Force Field for Carbon Dioxide Adsorption in Zeolites. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8814-8820.	3.1	199
125	Role of surface adsorption and porosity features in the molecular recognition ability of imprinted sol-gels. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1101-1108.	10.1	19
126	Guest-Induced Modification of a Magnetically Active Ultramicroporous, Gismondine-like, Copper(II) Coordination Network. <i>Journal of the American Chemical Society</i> , 2008, 130, 3978-3984.	13.7	149

#	ARTICLE	IF	CITATIONS
127	Electrochemical Regeneration of Activated Carbon Cloth Exhausted with Bentazone. <i>Environmental Science & Technology</i> , 2008, 42, 4500-4506.	10.0	36
128	Thermochemical Conversion of Bean Pods to Carbon Materials and Gas. <i>High Temperature Materials and Processes</i> , 2008, 27, .	1.4	0
129	A comparison of characterization methods based on N ₂ and CO ₂ adsorption for the assessment of the pore size distribution of carbons. <i>Studies in Surface Science and Catalysis</i> , 2007, 160, 319-326.	1.5	9
130	Chemically modified nanoporous carbons obtained using template carbonization method. <i>Studies in Surface Science and Catalysis</i> , 2007, 160, 559-566.	1.5	2
131	Importance of the Hydrophobic Character of Activated Carbons on the Removal of Naphthalene from the Aqueous Phase. <i>Adsorption Science and Technology</i> , 2007, 25, 155-167.	3.2	37
132	Removal of naphthalene from aqueous solution on chemically modified activated carbons. <i>Water Research</i> , 2007, 41, 333-340.	11.3	76
133	Mechanism of adsorption and electrosorption of bentazone on activated carbon cloth in aqueous solutions. <i>Water Research</i> , 2007, 41, 3372-3380.	11.3	84
134	Microwave-assisted regeneration of activated carbons loaded with pharmaceuticals. <i>Water Research</i> , 2007, 41, 3299-3306.	11.3	111
135	Borderline microporous–ultramicroporous palladium(ii) coordination polymer networks. Effect of pore functionalisation on gas adsorption properties. <i>Journal of Materials Chemistry</i> , 2007, 17, 1939-1946.	6.7	47
136	Effects of activated carbon properties on the adsorption of naphthalene from aqueous solutions. <i>Applied Surface Science</i> , 2007, 253, 5741-5746.	6.1	58
137	On the mechanism of reactive adsorption of dibenzothiophene on organic waste derived carbons. <i>Applied Surface Science</i> , 2007, 253, 5899-5903.	6.1	45
138	Using DFT analysis of adsorption data of multiple gases including H ₂ for the comprehensive characterization of microporous carbons. <i>Carbon</i> , 2007, 45, 1066-1071.	10.3	51
139	Sodium on the Surface of Activated Carbons as a Factor Enhancing Reactive Adsorption of Dibenzothiophene. <i>Energy & Fuels</i> , 2006, 20, 1076-1080.	5.1	19
140	Structural Changes in Polyethylene Terephthalate (PET) Waste Materials Caused by Pyrolysis and CO ₂ Activation. <i>Adsorption Science and Technology</i> , 2006, 24, 439-450.	3.2	21
141	Metal-loaded polystyrene-based activated carbons as dibenzothiophene removal media via reactive adsorption. <i>Carbon</i> , 2006, 44, 2404-2412.	10.3	122
142	Solvent-free ionic liquids as in situ probes for assessing the effect of ion size on the performance of electrical double layer capacitors. <i>Carbon</i> , 2006, 44, 3126-3130.	10.3	62
143	Highly mesoporous carbons obtained using a dynamic template method. <i>Microporous and Mesoporous Materials</i> , 2006, 89, 315-324.	4.4	15
144	H ₂ , N ₂ , CO, and CO ₂ Sorption Properties of a Series of Robust Sodalite-Type Microporous Coordination Polymers. <i>Inorganic Chemistry</i> , 2006, 45, 2397-2399.	4.0	158

#	ARTICLE	IF	CITATIONS
145	Chapter 4 Surface chemistry of activated carbons and its characterization. Interface Science and Technology, 2006, , 159-229.	3.3	122
146	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.	4.4	241
147	Surface modification of low cost carbons for their application in the environmental protection. Applied Surface Science, 2005, 252, 619-624.	6.1	122
148	Pyrolysis of activated carbons exhausted with organic compounds. Journal of Analytical and Applied Pyrolysis, 2005, 74, 518-524.	5.5	36
149	Importance of Structural and Chemical Heterogeneity of Activated Carbon Surfaces for Adsorption of Dibenzothiophene. Langmuir, 2005, 21, 7752-7759.	3.5	206
150	Microwave-induced regeneration of activated carbons polluted with phenol. A comparison with conventional thermal regeneration. Carbon, 2004, 42, 1383-1387.	10.3	165
151	High value carbon materials from PET recycling. Applied Surface Science, 2004, 238, 304-308.	6.1	61
152	Textural development and hydrogen adsorption of carbon materials from PET waste. Journal of Alloys and Compounds, 2004, 379, 280-289.	5.5	66
153	Oxygen-Induced Decrease in the Equilibrium Adsorptive Capacities of Activated Carbons. Adsorption Science and Technology, 2004, 22, 337-351.	3.2	30
154	Textural characterisation of activated carbons obtained from poly(ethylene terephthalate) by carbon dioxide activation. Studies in Surface Science and Catalysis, 2002, , 537-543.	1.5	23
155	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	44
156	Influence of oxygen-containing functional groups on active carbon adsorption of selected organic compounds. Fuel Processing Technology, 2002, 79, 265-271.	7.2	88