

# Diego Cazorla-Amoros

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/356728/publications.pdf>

Version: 2024-02-01

317  
papers

20,060  
citations

10986

71  
h-index

13771

129  
g-index

326  
all docs

326  
docs citations

326  
times ranked

16532  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formic acid dehydrogenation attained by Pd nanoparticles-based catalysts supported on MWCNT-C3N4 composites. <i>Catalysis Today</i> , 2022, 397-399, 428-435.	4.4	9
2	Controlled synthesis of mono- and bimetallic Pt-based catalysts for electrochemical ethanol oxidation. <i>Materials Chemistry and Physics</i> , 2022, 275, 125282.	4.0	3
3	Electrocatalytic activity of calcined manganese ferrite solid nanospheres in the oxygen reduction reaction. <i>Environmental Research</i> , 2022, 204, 112126.	7.5	2
4	On the deactivation of N-doped carbon materials active sites during oxygen reduction reaction. <i>Carbon</i> , 2022, 189, 548-560.	10.3	23
5	Electrochemical functionalization of carbon nanomaterials and their application in immobilization of enzymes. , 2022, , 67-103.		0
6	Manganese oxides/LaMnO3 perovskite materials and their application in the oxygen reduction reaction. <i>Energy</i> , 2022, 247, 123456.	8.8	27
7	On the mechanism of electrochemical functionalization of carbon nanotubes with different structures with aminophenylphosphonic acid isomers: an experimental and computational approach. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7271-7290.	10.3	4
8	Efficient production of hydrogen from a valuable CO2-derived molecule: Formic acid dehydrogenation boosted by biomass waste-derived catalysts. <i>Fuel</i> , 2022, 320, 123900.	6.4	7
9	Efficient and cost-effective ORR electrocatalysts based on low content transition metals highly dispersed on C3N4/super-activated carbon composites. <i>Carbon</i> , 2022, 196, 378-390.	10.3	19
10	Easy enrichment of graphitic nitrogen to prepare highly catalytic carbons for oxygen reduction reaction. <i>Carbon</i> , 2022, , .	10.3	7
11	Electrocatalysis with metal-free carbon-based catalysts. , 2022, , 213-244.		1
12	Electrochemical functionalization at anodic conditions of multi-walled carbon nanotubes with chlorodiphenylphosphine. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 915-926.	9.4	2
13	P-functionalized carbon nanotubes promote highly stable electrocatalysts based on Fe-phthalocyanines for oxygen reduction: Experimental and computational studies. <i>Journal of Energy Chemistry</i> , 2022, 72, 276-290.	12.9	11
14	Transition metal oxides with perovskite and spinel structures for electrochemical energy production applications. <i>Environmental Research</i> , 2022, 214, 113731.	7.5	21
15	Metal free electrochemical glucose biosensor based on N-doped porous carbon material. <i>Electrochimica Acta</i> , 2021, 367, 137434.	5.2	25
16	Study of MWCNT Dispersion Effect in TiO2-MWCNT Composites for Gas-Phase Propene Photooxidation. <i>Materials Research Bulletin</i> , 2021, 134, 111089.	5.2	4
17	Electrochemical regeneration of spent activated carbon from drinking water treatment plant at different scale reactors. <i>Chemosphere</i> , 2021, 264, 128399.	8.2	23
18	Electrochemical performance of Na-doped superporous activated carbons in ionic liquid-based electrolytes. <i>Electrochimica Acta</i> , 2021, 368, 137590.	5.2	5

#	ARTICLE	IF	CITATIONS
19	Biomass waste conversion into low-cost carbon-based materials for supercapacitors: A sustainable approach for the energy scenario. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114899.	3.8	39
20	Electroadsorption of Bromide from Natural Water in Granular Activated Carbon. <i>Water (Switzerland)</i> , 2021, 13, 598.	2.7	1
21	Photocatalytically-driven H <sub>2</sub> production over Cu/TiO <sub>2</sub> catalysts decorated with multi-walled carbon nanotubes. <i>Catalysis Today</i> , 2021, 364, 182-189.	4.4	19
22	Preparation of Pt/CNT Thin-Film Electrodes by Electrochemical Potential Pulse Deposition for Methanol Oxidation. <i>Journal of Carbon Research</i> , 2021, 7, 32.	2.7	6
23	Keys and New Trends of Iron-Based Catalysts in Selective Oxidation of Propylene in Gas Phase. <i>Catalytic Science Series</i> , 2021, , 35-56.	0.0	0
24	Copper ferrite nanospheres composites mixed with carbon black to boost the oxygen reduction reaction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 613, 126060.	4.7	9
25	Feasibility of electrochemical regeneration of activated carbon used in drinking water treatment plant. Reactor configuration design at a pilot scale. <i>Chemical Engineering Research and Design</i> , 2021, 148, 846-857.	5.6	12
26	Hydrolytic Dehydrogenation of Ammonia Borane Attained by Ru-Based Catalysts: An Auspicious Option to Produce Hydrogen from a Solid Hydrogen Carrier Molecule. <i>Energies</i> , 2021, 14, 2199.	3.1	10
27	Single atomic Co coordinated with N in microporous carbon for oxygen reduction reaction obtained from Co/2-methylimidazole anchored to Y zeolite as a template. <i>Materials Today Chemistry</i> , 2021, 20, 100410.	3.5	2
28	Comparative analysis of water condensate porosity using mercury intrusion porosimetry and nitrogen and water adsorption techniques in porous building stones. <i>Construction and Building Materials</i> , 2021, 288, 123131.	7.2	16
29	Multi-wall carbon nanotubes electrochemically modified with phosphorus and nitrogen functionalities as a basis for bioelectrodes with improved performance. <i>Electrochimica Acta</i> , 2021, 387, 138530.	5.2	7
30	Pyroloquinoline quinone-dependent glucose dehydrogenase bioelectrodes based on one-step electrochemical entrapment over single-wall carbon nanotubes. <i>Talanta</i> , 2021, 232, 122386.	5.5	8
31	Preparation of mesoporous $\gamma$ -Al <sub>2</sub> O <sub>3</sub> with high surface area from an AlOOH extract of recycling biomass ash. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105925.	6.7	10
32	Pd-Core-Based Core-Shell Nanoparticles for Catalytic and Electrocatalytic Applications. <i>Nanostructure Science and Technology</i> , 2021, , 343-364.	0.1	0
33	H <sub>2</sub> Production from Formic Acid Using Highly Stable Carbon-Supported Pd-Based Catalysts Derived from Soft-Biomass Residues: Effect of Heat Treatment and Functionalization of the Carbon Support. <i>Materials</i> , 2021, 14, 6506.	2.9	2
34	Exploring Cu <sub>x</sub> O-doped TiO <sub>2</sub> modified with carbon nanotubes for CO <sub>2</sub> photoreduction in a 2D-flow reactor. <i>Journal of CO<sub>2</sub> Utilization</i> , 2021, 54, 101796.	6.8	7
35	Nitrogen Doped Superactivated Carbons Prepared at Mild Conditions as Electrodes for Supercapacitors in Organic Electrolyte. <i>Journal of Carbon Research</i> , 2020, 6, 56.	2.7	3
36	On the Origin of the Effect of pH in Oxygen Reduction Reaction for Nondoped and Edge-Type Quaternary N-Doped Metal-Free Carbon-Based Catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 54815-54823.	8.0	21

#	ARTICLE	IF	CITATIONS
37	Tailoring Intrinsic Properties of Polyaniline by Functionalization with Phosphonic Groups. <i>Polymers</i> , 2020, 12, 2820.	4.5	15
38	Hardwood <i>versus</i> softwood Kraft lignin " precursor-product relationships in the manufacture of porous carbon nanofibers for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 23543-23554.	10.3	28
39	Polyaniline-Derived N-Doped Ordered Mesoporous Carbon Thin Films: Efficient Catalysts towards Oxygen Reduction Reaction. <i>Polymers</i> , 2020, 12, 2382.	4.5	17
40	Highly Stable N-Doped Carbon-Supported Pd-Based Catalysts Prepared from Biomass Waste for H <sub>2</sub> Production from Formic Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15030-15043.	6.7	34
41	Carbon Material and Cobalt-Substitution Effects in the Electrochemical Behavior of LaMnO <sub>3</sub> for ORR and OER. <i>Nanomaterials</i> , 2020, 10, 2394.	4.1	18
42	Synthesis of TiO <sub>2</sub> /Nanozeolite Composites for Highly Efficient Photocatalytic Oxidation of Propene in the Gas Phase. <i>ACS Omega</i> , 2020, 5, 31323-31331.	3.5	16
43	MWCNT-Supported PVP-Capped Pd Nanoparticles as Efficient Catalysts for the Dehydrogenation of Formic Acid. <i>Frontiers in Chemistry</i> , 2020, 8, 359.	3.6	8
44	Effect of surface oxygen groups in the electrochemical modification of multi-walled carbon nanotubes by 4-amino phenyl phosphonic acid. <i>Carbon</i> , 2020, 165, 328-339.	10.3	15
45	Zn-Promoted Selective Gas-Phase Hydrogenation of Tertiary and Secondary C <sub>4</sub> Alkynols over Supported Pd. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 28158-28168.	8.0	26
46	Synthesis of Phosphorus-Containing Polyanilines by Electrochemical Copolymerization. <i>Polymers</i> , 2020, 12, 1029.	4.5	9
47	Development of mesoporous materials from biomass ash with future applications as adsorbent materials. <i>Microporous and Mesoporous Materials</i> , 2020, 299, 110085.	4.4	10
48	Electrochemical functionalization of single wall carbon nanotubes with phosphorus and nitrogen species. <i>Electrochimica Acta</i> , 2020, 340, 135935.	5.2	17
49	Activation of electrospun lignin-based carbon fibers and their performance as self-standing supercapacitor electrodes. <i>Separation and Purification Technology</i> , 2020, 241, 116724.	7.9	67
50	Rational Design of Single Atomic Co in CoN <sub>x</sub> Moieties on Graphene Matrix as an Ultra-Highly Efficient Active Site for Oxygen Reduction Reaction. <i>ChemNanoMat</i> , 2020, 6, 218-222.	2.8	3
51	Metal-free heteroatom-doped carbon-based catalysts for ORR: A critical assessment about the role of heteroatoms. <i>Carbon</i> , 2020, 165, 434-454.	10.3	231
52	Effect of carbon surface on degradation of supercapacitors in a negative potential range. <i>Journal of Power Sources</i> , 2020, 457, 228042.	7.8	26
53	Novelty without nobility: Outstanding Ni/Ti-SiO <sub>2</sub> catalysts for propylene epoxidation. <i>Journal of Catalysis</i> , 2020, 386, 94-105.	6.2	6
54	Nitrogen-Doped Seamless Activated Carbon Electrode with Excellent Durability for Electric Double Layer Capacitor. <i>Journal of the Electrochemical Society</i> , 2020, 167, 060523.	2.9	17

#	ARTICLE	IF	CITATIONS
55	Post-synthetic efficient functionalization of polyaniline with phosphorus-containing groups. Effect of phosphorus on electrochemical properties. <i>European Polymer Journal</i> , 2019, 119, 272-280.	5.4	21
56	Are the Accompanying Cations of Doping Anions Influential in Conducting Organic Polymers? The Case of the Popular PEDOT. <i>Chemistry - A European Journal</i> , 2019, 25, 14308-14319.	3.3	6
57	Efficient Production of Multi-Layer Graphene from Graphite Flakes in Water by Lipase-Graphene Sheets Conjugation. <i>Nanomaterials</i> , 2019, 9, 1344.	4.1	5
58	Hydrogen Production from Formic Acid Attained by Bimetallic Heterogeneous PdAg Catalytic Systems. <i>Energies</i> , 2019, 12, 4027.	3.1	26
59	Structural and morphological alterations induced by cobalt substitution in LaMnO <sub>3</sub> perovskites. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 658-666.	9.4	33
60	Photo-microfluidic chip reactors for propene complete oxidation with TiO <sub>2</sub> photocatalyst using UV-LED light. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103408.	6.7	8
61	Anchoring a Co/2-methylimidazole complex on ion-exchange resin and its transformation to Co/N-doped carbon as an electrocatalyst for the ORR. <i>Catalysis Science and Technology</i> , 2019, 9, 578-582.	4.1	12
62	Free-standing supercapacitors from Kraft lignin nanofibers with remarkable volumetric energy density. <i>Chemical Science</i> , 2019, 10, 2980-2988.	7.4	88
63	Strategies to Enhance the Performance of Electrochemical Capacitors Based on Carbon Materials. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	58
64	Multilayer graphene functionalized through thermal 1,3-dipolar cycloadditions with imino esters: a versatile platform for supported ligands in catalysis. <i>Chemical Communications</i> , 2019, 55, 7462-7465.	4.1	10
65	Nitrogen-Doped Superporous Activated Carbons as Electrocatalysts for the Oxygen Reduction Reaction. <i>Materials</i> , 2019, 12, 1346.	2.9	42
66	A Simple "Nano-Templating" Method Using Zeolite Y Toward the Formation of Carbon Schwarzites. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	14
67	Copper-Doped Cobalt Spinel Electrocatalysts Supported on Activated Carbon for Hydrogen Evolution Reaction. <i>Materials</i> , 2019, 12, 1302.	2.9	22
68	Understanding of oxygen reduction reaction by examining carbon-oxygen gasification reaction and carbon active sites on metal and heteroatoms free carbon materials of different porosities and structures. <i>Carbon</i> , 2019, 148, 430-440.	10.3	28
69	Carbon Nanotubes Modified With Au for Electrochemical Detection of Prostate Specific Antigen: Effect of Au Nanoparticle Size Distribution. <i>Frontiers in Chemistry</i> , 2019, 7, 147.	3.6	31
70	Insight into the origin of carbon corrosion in positive electrodes of supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7480-7488.	10.3	62
71	Towards understanding the active sites for the ORR in N-doped carbon materials through fine-tuning of nitrogen functionalities: an experimental and computational approach. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24239-24250.	10.3	87
72	Fabrication of Co/P25 coated with thin nitrogen-doped carbon shells (Co/P25/NC) as an efficient electrocatalyst for oxygen reduction reaction (ORR). <i>Electrochimica Acta</i> , 2019, 296, 867-873.	5.2	10

#	ARTICLE	IF	CITATIONS
73	From Waste to Wealth: From Kraft Lignin to Free-standing Supercapacitors. Carbon, 2019, 145, 470-480.	10.3	145
74	Modeling of oxygen reduction reaction in porous carbon materials in alkaline medium. Effect of microporosity. Journal of Power Sources, 2019, 412, 451-464.	7.8	56
75	Oxygen-reduction catalysis of N-doped carbons prepared <i>via</i> heat treatment of polyaniline at over 1100 °C. Chemical Communications, 2018, 54, 4441-4444.	4.1	50
76	Ultraporous nitrogen-doped zeolite-templated carbon for high power density aqueous-based supercapacitors. Carbon, 2018, 129, 510-519.	10.3	79
77	Hydrogen Storage in Porous Materials: Status, Milestones, and Challenges. Chemical Record, 2018, 18, 900-912.	5.8	62
78	Tailored metallacarboranes as mediators for boosting the stability of carbon-based aqueous supercapacitors. Sustainable Energy and Fuels, 2018, 2, 345-352.	4.9	13
79	Facile encapsulation of P25 (TiO <sub>2</sub> ) in spherical silica with hierarchical porosity with enhanced photocatalytic properties for gas-phase propene oxidation. Applied Catalysis A: General, 2018, 564, 123-132.	4.3	15
80	Ferrosilicate-Based Heterogeneous Fenton Catalysts: Influence of Crystallinity, Porosity, and Iron Speciation. Catalysis Letters, 2018, 148, 3134-3146.	2.6	7
81	Effect of Nitrogen-Functional Groups on the ORR Activity of Activated Carbon Fiber-Polypyrrole-Based Electrodes. Electrocatalysis, 2018, 9, 697-705.	3.0	27
82	Photocatalytic Oxidation of VOCs in Gas Phase Using Capillary Microreactors with Commercial TiO <sub>2</sub> (P25) Fillings. Materials, 2018, 11, 1149.	2.9	14
83	New insights into the electrochemical behaviour of porous carbon electrodes for supercapacitors. Journal of Energy Storage, 2018, 19, 337-347.	8.1	42
84	Effect of carbonization conditions of polyaniline on its catalytic activity towards ORR. Some insights about the nature of the active sites. Carbon, 2017, 119, 62-71.	10.3	67
85	Pd and Cu-Pd nanoparticles supported on multiwall carbon nanotubes for H <sub>2</sub> detection. Materials Research Bulletin, 2017, 93, 102-111.	5.2	8
86	Key factors improving oxygen reduction reaction activity in cobalt nanoparticles modified carbon nanotubes. Applied Catalysis B: Environmental, 2017, 217, 303-312.	20.2	58
87	Magnetic zeolites: novel nanoreactors through radiofrequency heating. Chemical Communications, 2017, 53, 4262-4265.	4.1	17
88	Lignin-derived Pt supported carbon (submicron) fiber electrocatalysts for alcohol electro-oxidation. Applied Catalysis B: Environmental, 2017, 211, 18-30.	20.2	75
89	K- and Ca-promoted ferrosilicates for the gas-phase epoxidation of propylene with O <sub>2</sub> . Applied Catalysis A: General, 2017, 538, 139-147.	4.3	14
90	Efficient Pt electrocatalysts supported onto flavin mononucleotide-exfoliated pristine graphene for the methanol oxidation reaction. Electrochimica Acta, 2017, 231, 386-395.	5.2	21

#	ARTICLE	IF	CITATIONS
91	Relevance of the Interaction between the M-Phthalocyanines and Carbon Nanotubes in the Electroactivity toward ORR. <i>Langmuir</i> , 2017, 33, 11945-11955.	3.5	27
92	A new zeolitic hydroxymethylimidazolate material and its use in mixed matrix membranes based on 6FDA-DAM for gas separation. <i>Journal of Membrane Science</i> , 2017, 544, 88-97.	8.2	11
93	Synthesis of conducting polymer/carbon material composites and their application in electrical energy storage. , 2017, , 173-209.		27
94	Synthesis of TiO <sub>2</sub> with Hierarchical Porosity for the Photooxidation of Propene. <i>Molecules</i> , 2017, 22, 2243.	3.8	17
95	Effects of the surface chemistry and structure of carbon nanotubes on the coating of glucose oxidase and electrochemical biosensors performance. <i>RSC Advances</i> , 2017, 7, 26867-26878.	3.6	34
96	Design of Activated Carbon/Activated Carbon Asymmetric Capacitors. <i>Frontiers in Materials</i> , 2016, 3, .	2.4	49
97	Structural and textural features of TiO <sub>2</sub> /SAPO-34 nanocomposite prepared by the sol-gel method. <i>Research on Chemical Intermediates</i> , 2016, 42, 8039-8053.	2.7	20
98	Nitrogen doped superporous carbon prepared by a mild method. Enhancement of supercapacitor performance. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 19691-19701.	7.1	42
99	Asymmetric capacitors using lignin-based hierarchical porous carbons. <i>Journal of Power Sources</i> , 2016, 326, 641-651.	7.8	64
100	Activated Carbons Prepared through H <sub>2</sub> PO <sub>4</sub> -Assisted Hydrothermal Carbonisation from Biomass Wastes: Porous Texture and Electrochemical Performance. <i>ChemPlusChem</i> , 2016, 81, 1349-1359.	2.8	60
101	Enhanced ammonia-borane decomposition by synergistic catalysis using CoPd nanoparticles supported on titano-silicates. <i>RSC Advances</i> , 2016, 6, 91768-91772.	3.6	13
102	Electrochemical performance of a superporous activated carbon in ionic liquid-based electrolytes. <i>Journal of Power Sources</i> , 2016, 336, 419-426.	7.8	31
103	Gas-Adsorbing Nanoporous Carbons. , 2016, , 465-486.		0
104	Evolution of the PVP-Pd Surface Interaction in Nanoparticles through the Case Study of Formic Acid Decomposition. <i>Langmuir</i> , 2016, 32, 12110-12118.	3.5	61
105	One step-synthesis of highly dispersed iron species into silica for propylene epoxidation with dioxygen. <i>Journal of Catalysis</i> , 2016, 338, 154-167.	6.2	30
106	Silica-templated ordered mesoporous carbon thin films as electrodes for micro-capacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4570-4579.	10.3	48
107	Easy fabrication of superporous zeolite templated carbon electrodes by electrospinning on rigid and flexible substrates. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4610-4618.	10.3	14
108	Successful functionalization of superporous zeolite templated carbon using aminobenzene acids and electrochemical methods. <i>Carbon</i> , 2016, 99, 157-166.	10.3	17

#	ARTICLE	IF	CITATIONS
109	Pd/zeolite-based catalysts for the preferential CO oxidation reaction: ion-exchange, Si/Al and structure effect. <i>Catalysis Science and Technology</i> , 2016, 6, 2623-2632.	4.1	39
110	Biomass-derived binderless fibrous carbon electrodes for ultrafast energy storage. <i>Green Chemistry</i> , 2016, 18, 1506-1515.	9.0	102
111	Switchable Surfactant-Assisted Carbon Nanotube Coatings: Innovation through pH Shift. <i>Frontiers in Materials</i> , 2015, 2, .	2.4	4
112	Palladium and Bimetallic Palladium-Nickel Nanoparticles Supported on Multiwalled Carbon Nanotubes: Application to Carbon- $\gamma$ -Carbon Bond-Forming Reactions in Water. <i>ChemCatChem</i> , 2015, 7, 1841-1847.	3.7	49
113	Beyond the H <sub>2</sub> /CO <sub>2</sub> upper bound: one-step crystallization and separation of nano-sized ZIF-11 by centrifugation and its application in mixed matrix membranes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6549-6556.	10.3	99
114	Electrochemical behaviour of activated carbons obtained via hydrothermal carbonization. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15558-15567.	10.3	36
115	Ordered mesoporous titanium oxide for thin film microbatteries with enhanced lithium storage. <i>Electrochimica Acta</i> , 2015, 166, 293-301.	5.2	9
116	Capillary microreactors based on hierarchical SiO <sub>2</sub> monoliths incorporating noble metal nanoparticles for the Preferential Oxidation of CO. <i>Chemical Engineering Journal</i> , 2015, 275, 71-78.	12.7	27
117	Functionalization of carbon nanotubes using aminobenzene acids and electrochemical methods. Electroactivity for the oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 11242-11253.	7.1	34
118	Generation of nitrogen functionalities on activated carbons by amidation reactions and Hofmann rearrangement: Chemical and electrochemical characterization. <i>Carbon</i> , 2015, 91, 252-265.	10.3	44
119	Characterization of a zeolite-templated carbon by electrochemical quartz crystal microbalance and in situ Raman spectroscopy. <i>Carbon</i> , 2015, 89, 63-73.	10.3	22
120	Enhanced electro-oxidation resistance of carbon electrodes induced by phosphorus surface groups. <i>Carbon</i> , 2015, 95, 681-689.	10.3	76
121	Pseudocapacitance of zeolite-templated carbon in organic electrolytes. <i>Energy Storage Materials</i> , 2015, 1, 35-41.	18.0	41
122	Investigation of Pd nanoparticles supported on zeolites for hydrogen production from formic acid dehydrogenation. <i>Catalysis Science and Technology</i> , 2015, 5, 364-371.	4.1	99
123	Improvement of carbon materials performance by nitrogen functional groups in electrochemical capacitors in organic electrolyte at severe conditions. <i>Carbon</i> , 2015, 82, 205-213.	10.3	66
124	Grand Challenges in Carbon-Based Materials Research. <i>Frontiers in Materials</i> , 2014, 1, .	2.4	6
125	Synthesis of Robust Hierarchical Silica Monoliths by Surface-Mediated Solution/Precipitation Reactions over Different Scales: Designing Capillary Microreactors for Environmental Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 22506-22518.	8.0	12
126	Electrochemical Performance of Hierarchical Porous Carbon Materials Obtained from the Infiltration of Lignin into Zeolite Templates. <i>ChemSusChem</i> , 2014, 7, 1458-1467.	6.8	96



#	ARTICLE	IF	CITATIONS
127	New insights on electrochemical hydrogen storage in nanoporous carbons by in situ Raman spectroscopy. <i>Carbon</i> , 2014, 69, 401-408.	10.3	47
128	Single wall carbon nanotubes loaded with Pd and NiPd nanoparticles for H <sub>2</sub> sensing at room temperature. <i>Carbon</i> , 2014, 66, 599-611.	10.3	40
129	Tailoring the Surface Chemistry of Activated Carbon Cloth by Electrochemical Methods. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 11682-11691.	8.0	37
130	On the origin of the high capacitance of nitrogen-containing carbon nanotubes in acidic and alkaline electrolytes. <i>Chemical Communications</i> , 2014, 50, 11343-11346.	4.1	91
131	Optimizing the performance of catalytic traps for hydrocarbon abatement during the cold-start of a gasoline engine. <i>Journal of Hazardous Materials</i> , 2014, 279, 527-536.	12.4	23
132	Development of exfoliated layered stannosilicate for hydrogen adsorption. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 13180-13188.	7.1	11
133	Carbonâ€“carbon asymmetric aqueous capacitor by pseudocapacitive positive and stable negative electrodes. <i>Carbon</i> , 2014, 67, 792-794.	10.3	23
134	Preparation of homogeneous CNT coatings in insulating capillary tubes by an innovative electrochemically-assisted method. <i>Carbon</i> , 2014, 67, 564-571.	10.3	4
135	Effect of the surface chemical groups of activated carbons on their surface adsorptivity to aromatic adsorbates based on ĨĤ interactions. <i>Materials Chemistry and Physics</i> , 2014, 143, 1489-1499.	4.0	25
136	Electroadsorption of Arsenic from Natural Water in Granular Activated Carbon. <i>Frontiers in Materials</i> , 2014, 1, .	2.4	20
137	Graphene-Clay Based Nanomaterials for Clean Energy Storage. <i>Science of Advanced Materials</i> , 2014, 6, 151-158.	0.7	27
138	Flexible ruthenium oxide-activated carbon cloth composites prepared by simple electrodeposition methods. <i>Energy</i> , 2013, 58, 519-526.	8.8	69
139	Tailoring the porosity of chemically activated hydrothermal carbons: Influence of the precursor and hydrothermal carbonization temperature. <i>Carbon</i> , 2013, 62, 346-355.	10.3	198
140	Abatement of hydrocarbons by acid ZSM-5 and BETA zeolites under cold-start conditions. <i>Adsorption</i> , 2013, 19, 357-365.	3.0	20
141	Clay-supported graphene materials: application to hydrogen storage. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18635.	2.8	69
142	BETA Zeolite Thin Films Supported on Honeycomb Monoliths with Tunable Properties as Hydrocarbon Traps under Coldâ€“Start Conditions. <i>ChemSusChem</i> , 2013, 6, 1467-1477.	6.8	20
143	Total oxidation of naphthalene at low temperatures using palladium nanoparticles supported on inorganic oxide-coated cordierite honeycomb monoliths. <i>Catalysis Science and Technology</i> , 2013, 3, 2708.	4.1	11
144	Binderless thin films of zeolite-templated carbon electrodes useful for electrochemical microcapacitors with ultrahigh rate performance. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 10331.	2.8	21

#	ARTICLE	IF	CITATIONS
145	Electrochemical generation of oxygen-containing groups in an ordered microporous zeolite-templated carbon. <i>Carbon</i> , 2013, 54, 94-104.	10.3	62
146	Asymmetric hybrid capacitors based on activated carbon and activated carbon fibre/PANI electrodes. <i>Electrochimica Acta</i> , 2013, 89, 326-333.	5.2	94
147	Activated Carbon Fibers. , 2013, , 155-169.		6
148	Hydrothermal Carbons from Hemicellulose-Derived Aqueous Hydrolysis Products as Electrode Materials for Supercapacitors. <i>ChemSusChem</i> , 2013, 6, 374-382.	6.8	169
149	CuH-ZSM-5 as Hydrocarbon Trap under Cold Start Conditions. <i>Environmental Science &amp; Technology</i> , 2013, 47, 5851-5857.	10.0	29
150	Advances in Hydrogen Storage in Carbon Materials. , 2013, , 269-291.		8
151	Total oxidation of naphthalene using palladium nanoparticles supported on BETA, ZSM-5, SAPO-5 and alumina powders. <i>Applied Catalysis B: Environmental</i> , 2013, 129, 98-105.	20.2	31
152	Nanoarchitectures Based on Layered Titanosilicates Supported on Glass Fibers: Application to Hydrogen Storage. <i>Langmuir</i> , 2013, 29, 7449-7455.	3.5	22
153	Electrooxidation Methods to Produce Pseudocapacitance-containing Porous Carbons. <i>Electrochemistry</i> , 2013, 81, 833-839.	1.4	16
154	Relevance of porosity and surface chemistry of superactivated carbons in capacitors. <i>Tanso</i> , 2013, 2013, 41-47.	0.1	7
155	Molecular simulation design of a multisite solid for the abatement of cold start emissions. <i>Chemical Communications</i> , 2012, 48, 6571.	4.1	15
156	Pillared carbons consisting of silsesquioxane bridged graphene layers for hydrogen storage materials. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 10702-10708.	7.1	37
157	Characterization of activated carbon fiber/polyaniline materials by position-resolved microbeam small-angle X-ray scattering. <i>Carbon</i> , 2012, 50, 1051-1056.	10.3	23
158	A comparison between oxidation of activated carbon by electrochemical and chemical treatments. <i>Carbon</i> , 2012, 50, 1123-1134.	10.3	43
159	Investigating the influence of surfactants on the stabilization of aqueous reduced graphene oxide dispersions and the characteristics of their composite films. <i>Carbon</i> , 2012, 50, 3184-3194.	10.3	97
160	Effect of the aging time of PVP coated palladium nanoparticles colloidal suspensions on their catalytic activity in the preferential oxidation of CO. <i>Catalysis Today</i> , 2012, 187, 2-9.	4.4	33
161	MOF-5 and activated carbons as adsorbents for gas storage. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 2370-2381.	7.1	119
162	MCM-41 Porosity: Are Surface Corrugations Micropores?. <i>Adsorption Science and Technology</i> , 2011, 29, 443-455.	3.2	7

#	ARTICLE	IF	CITATIONS
163	Benzene and toluene adsorption at low concentration on activated carbon fibres. <i>Adsorption</i> , 2011, 17, 473-481.	3.0	110
164	Zeolite A/carbon membranes for H <sub>2</sub> purification from a simulated gas reformer mixture. <i>Journal of Membrane Science</i> , 2011, 378, 407-414.	8.2	8
165	Effect of the porous texture and surface chemistry of activated carbons on the adsorption of a germanium complex from dilute aqueous solutions. <i>Carbon</i> , 2011, 49, 3325-3331.	10.3	22
166	Hydrogen purification for PEM fuel cells using membranes prepared by ion-exchange of Na-LTA/carbon membranes. <i>Journal of Membrane Science</i> , 2010, 351, 123-130.	8.2	13
167	Screening of different zeolites and silicoaluminophosphates for the retention of propene under cold start conditions. <i>Microporous and Mesoporous Materials</i> , 2010, 130, 239-247.	4.4	53
168	New insights on the direct activation of isotropic petroleum pitch by alkaline hydroxides. <i>Fuel Processing Technology</i> , 2010, 91, 145-149.	7.2	10
169	Scale-up activation of carbon fibres for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 2393-2402.	7.1	40
170	Ni-doped carbon xerogels for H <sub>2</sub> storage. <i>Carbon</i> , 2010, 48, 2722-2733.	10.3	47
171	Preferential oxidation of CO catalyzed by supported polymer-protected palladium-based nanoparticles. <i>Applied Catalysis B: Environmental</i> , 2010, 98, 161-170.	20.2	47
172	Experimental and simulated propene isotherms on porous solids. <i>Applied Surface Science</i> , 2010, 256, 5292-5297.	6.1	14
173	Regeneration of activated carbons saturated with benzene or toluene using an oxygen-containing atmosphere. <i>Chemical Engineering Science</i> , 2010, 65, 2190-2198.	3.8	42
174	Characteristics of an activated carbon monolith for a helium adsorption compressor. <i>Carbon</i> , 2010, 48, 123-131.	10.3	15
175	Measuring cycle efficiency and capacitance of chemically activated carbons in propylene carbonate. <i>Carbon</i> , 2010, 48, 1451-1456.	10.3	40
176	Electrochemical regeneration and porosity recovery of phenol-saturated granular activated carbon in an alkaline medium. <i>Carbon</i> , 2010, 48, 2734-2745.	10.3	105
177	A comparison of hydrogen storage in activated carbons and a metal-organic framework (MOF-5). <i>Carbon</i> , 2010, 48, 2906-2909.	10.3	67
178	Carbon for Energy Storage and Environment Protection 2009 Special Issue. <i>Energy &amp; Fuels</i> , 2010, 24, 3301-3301.	5.1	1
179	Kinetics of Double-Layer Formation: Influence of Porous Structure and Pore Size Distribution. <i>Energy &amp; Fuels</i> , 2010, 24, 3378-3384.	5.1	32
180	Comparison among Chemical, Thermal, and Electrochemical Regeneration of Phenol-Saturated Activated Carbon. <i>Energy &amp; Fuels</i> , 2010, 24, 3366-3372.	5.1	73

#	ARTICLE	IF	CITATIONS
181	Fundamentals of methane adsorption in microporous carbons. <i>Microporous and Mesoporous Materials</i> , 2009, 124, 110-116.	4.4	82
182	Arsenic species interactions with a porous carbon electrode as determined with an electrochemical quartz crystal microbalance. <i>Electrochimica Acta</i> , 2009, 54, 3996-4004.	5.2	17
183	Effect of electrochemical treatments on the surface chemistry of activated carbon. <i>Carbon</i> , 2009, 47, 1018-1027.	10.3	105
184	Isotropic petroleum pitch as a carbon precursor for the preparation of activated carbons by KOH activation. <i>Carbon</i> , 2009, 47, 2141-2142.	10.3	37
185	Activated Carbons for the Removal of Low-Concentration Gaseous Toluene at the Semipilot Scale. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 2066-2075.	3.7	28
186	Porous Texture of Carbons. <i>Advanced Materials and Technologies</i> , 2009, , 115-162.	0.4	13
187	Electrochemical deposition of platinum nanoparticles on different carbon supports and conducting polymers. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 259-268.	2.9	129
188	Effect of the stabilisation time of pitch fibres on the molecular sieve properties of carbon fibres. <i>Microporous and Mesoporous Materials</i> , 2008, 109, 21-27.	4.4	13
189	Advanced activated carbon monoliths and activated carbons for hydrogen storage. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 235-242.	4.4	117
190	Effects of different carbon materials on MgH <sub>2</sub> decomposition. <i>Carbon</i> , 2008, 46, 126-137.	10.3	158
191	Effect of surface chemistry on electrochemical storage of hydrogen in porous carbon materials. <i>Carbon</i> , 2008, 46, 1053-1059.	10.3	83
192	Effect of the intercalated cation on the properties of poly(o-methylaniline)/maghnite clay nanocomposites. <i>European Polymer Journal</i> , 2008, 44, 1275-1284.	5.4	20
193	Impact of the carbonisation temperature on the activation of carbon fibres and their application for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 3091-3095.	7.1	35
194	Comparative study of the micropore development on physical activation of carbon fibers from coal tar and petroleum pitches. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 125-132.	4.4	18
195	Zeolite LTA/carbon membranes for air separation. <i>Microporous and Mesoporous Materials</i> , 2008, 115, 51-60.	4.4	17
196	Inorganic materials as supports for palladium nanoparticles: Application in the semi-hydrogenation of phenylacetylene. <i>Journal of Catalysis</i> , 2008, 257, 87-95.	6.2	98
197	Effects of Carbon-Supported Nickel Catalysts on MgH <sub>2</sub> Decomposition. <i>Journal of Physical Chemistry C</i> , 2008, 112, 5984-5992.	3.1	62
198	Semihydrogenation of Phenylacetylene Catalyzed by Palladium Nanoparticles Supported on Carbon Materials. <i>Journal of Physical Chemistry C</i> , 2008, 112, 3827-3834.	3.1	125

#	ARTICLE	IF	CITATIONS
199	Adsorption on Activated Carbon Fibers. , 2008, , 431-454.		12
200	Electrochemical Methods to Enhance the Capacitance in Activated Carbon/Polyaniline Composites. Journal of the Electrochemical Society, 2008, 155, A672.	2.9	53
201	Synthesis of Activated Carbon Fibers for High-Pressure Hydrogen Storage. Ceramic Transactions, 2008, , 69-75.	0.1	1
202	Hydrogen Adsorption on Carbon Materials at High Pressures and Different Temperatures. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 165-175.	0.2	3
203	Controlling Porosity to Improve Activated Carbon Applications. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 97-106.	0.2	2
204	Synthesis and Permeation Properties of Silicalite-1/Carbon Membranes. Industrial & Engineering Chemistry Research, 2007, 46, 3997-4006.	3.7	7
205	State of Pt in Dried and Reduced PtIn and PtSn Catalysts Supported on Carbon. Journal of Physical Chemistry C, 2007, 111, 4710-4716.	3.1	30
206	Hydrogen storage on chemically activated carbons and carbon nanomaterials at high pressures. Carbon, 2007, 45, 293-303.	10.3	420
207	A new strategy for germanium adsorption on activated carbon by complex formation. Carbon, 2007, 45, 2519-2528.	10.3	50
208	Carbon activation with KOH as explored by temperature programmed techniques, and the effects of hydrogen. Carbon, 2007, 45, 2529-2536.	10.3	335
209	Stabilisation of low softening point petroleum pitch fibres by iodine treatment. Fuel Processing Technology, 2007, 88, 265-272.	7.2	9
210	Influence of carbon fibres crystallinities on their chemical activation by KOH and NaOH. Microporous and Mesoporous Materials, 2007, 101, 397-405.	4.4	103
211	Activated carbons prepared by pyrolysis of mixtures of carbon precursor/alkaline hydroxide. Journal of Analytical and Applied Pyrolysis, 2007, 80, 166-174.	5.5	131
212	Polyaniline/porous carbon electrodes by chemical polymerisation: Effect of carbon surface chemistry. Electrochimica Acta, 2007, 52, 4962-4968.	5.2	62
213	Isotropic and anisotropic microporosity development upon chemical activation of carbon fibers, revealed by microbeam small-angle X-ray scattering. Carbon, 2006, 44, 1121-1129.	10.3	17
214	Competitive adsorption of a benzene-toluene mixture on activated carbons at low concentration. Carbon, 2006, 44, 1455-1463.	10.3	164
215	Chemical and electrochemical characterization of porous carbon materials. Carbon, 2006, 44, 2642-2651.	10.3	211
216	Semihydrogenation of phenylacetylene catalyzed by metallic nanoparticles containing noble metals. Journal of Catalysis, 2006, 243, 74-81.	6.2	121

#	ARTICLE	IF	CITATIONS
217	Total oxidation of volatile organic compounds by vanadium promoted palladium-titania catalysts: Comparison of aromatic and polyaromatic compounds. <i>Applied Catalysis B: Environmental</i> , 2006, 62, 66-76.	20.2	82
218	Preparation of silicalite-1 layers on Pt-coated carbon materials: a possible electrochemical approach towards membrane reactors. <i>Microporous and Mesoporous Materials</i> , 2005, 78, 159-167.	4.4	15
219	KOH and NaOH activation mechanisms of multiwalled carbon nanotubes with different structural organisation. <i>Carbon</i> , 2005, 43, 786-795.	10.3	727
220	Adsorption properties of carbon molecular sieves prepared from an activated carbon by pitch pyrolysis. <i>Carbon</i> , 2005, 43, 1643-1651.	10.3	47
221	Behaviour of activated carbons with different pore size distributions and surface oxygen groups for benzene and toluene adsorption at low concentrations. <i>Carbon</i> , 2005, 43, 1758-1767.	10.3	472
222	Role of surface chemistry on electric double layer capacitance of carbon materials. <i>Carbon</i> , 2005, 43, 2677-2684.	10.3	372
223	Oxygen functional groups involved in the styrene production reaction detected by quasi in situ XPS. <i>Catalysis Today</i> , 2005, 102-103, 248-253.	4.4	115
224	Effect of carbon fibres on the mechanical properties and corrosion levels of reinforced portland cement mortars. <i>Cement and Concrete Research</i> , 2005, 35, 324-331.	11.0	82
225	Comparative Characterization Study of Microporous Carbons by HRTEM Image Analysis and Gas Adsorption. <i>Journal of Physical Chemistry B</i> , 2005, 109, 15032-15036.	2.6	20
226	Carbon-supported PtSn Catalysts: Characterization and Catalytic Properties. <i>Journal of the Japan Petroleum Institute</i> , 2004, 47, 164-178.	0.6	7
227	Oxidation of SO <sub>2</sub> catalysed by Mn-zeolites in aqueous phase. <i>Applied Catalysis B: Environmental</i> , 2004, 47, 203-207.	20.2	14
228	Role of the activated carbon surface chemistry in the adsorption of phenanthrene. <i>Carbon</i> , 2004, 42, 1683-1689.	10.3	115
229	About reactions occurring during chemical activation with hydroxides. <i>Carbon</i> , 2004, 42, 1371-1375.	10.3	342
230	Activation of coal tar pitch carbon fibres: Physical activation vs. chemical activation. <i>Carbon</i> , 2004, 42, 1367-1370.	10.3	280
231	Analysis of the microporosity shrinkage upon thermal post-treatment of H <sub>3</sub> PO <sub>4</sub> activated carbons. <i>Carbon</i> , 2004, 42, 1339-1343.	10.3	35
232	HRTEM study of activated carbons prepared by alkali hydroxide activation of anthracite. <i>Carbon</i> , 2004, 42, 1305-1310.	10.3	36
233	Usefulness of CO <sub>2</sub> adsorption at 273 K for the characterization of porous carbons. <i>Carbon</i> , 2004, 42, 1233-1242.	10.3	317
234	Probe Molecule Kinetic Studies of Adsorption on MCM-41. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1012-1020.	2.6	46

#	ARTICLE	IF	CITATIONS
235	Microporous Solid Characterization: Use of Classical and "New" Techniques. Chemical Engineering and Technology, 2003, 26, 852-857.	1.5	16
236	Influence of the nature and the content of carbon fiber on properties of thermoplastic polyurethane-carbon fiber composites. Journal of Applied Polymer Science, 2003, 90, 2676-2683.	2.6	31
237	Understanding chemical reactions between carbons and NaOH and KOH. Carbon, 2003, 41, 267-275.	10.3	1,003
238	Stabilisation of low softening point petroleum pitch fibres by HNO <sub>3</sub> . Carbon, 2003, 41, 1001-1007.	10.3	24
239	Influence of pore structure and surface chemistry on electric double layer capacitance in non-aqueous electrolyte. Carbon, 2003, 41, 1765-1775.	10.3	414
240	The role of different nitrogen functional groups on the removal of SO <sub>2</sub> from flue gases by N-doped activated carbon powders and fibres. Carbon, 2003, 41, 1925-1932.	10.3	196
241	Preparation of thin silicalite-1 layers on carbon materials by electrochemical methods. Microporous and Mesoporous Materials, 2003, 66, 331-340.	4.4	27
242	Catalytic cracking of ethylene-vinyl acetate copolymers: comparison of different zeolites. Journal of Analytical and Applied Pyrolysis, 2003, 68-69, 495-506.	5.5	28
243	Silicalite-1 membranes supported on porous carbon discs. Microporous and Mesoporous Materials, 2003, 59, 147-159.	4.4	20
244	About the exclusive mesoporous character of MCM-41. Studies in Surface Science and Catalysis, 2002, 144, 83-90.	1.5	19
245	Microbeam small angle X-ray scattering ( $\mu$ SAXS): a novel technique for the characterization of activated carbon fibers.. Studies in Surface Science and Catalysis, 2002, 144, 51-58.	1.5	9
246	SO <sub>2</sub> ~Faujasite Interaction: " A Study by in Situ FTIR and Thermogravimetry. Langmuir, 2002, 18, 9778-9782.	3.5	14
247	Micropore Size Distributions of Activated Carbons and Carbon Molecular Sieves Assessed by High-Pressure Methane and Carbon Dioxide Adsorption Isotherms. Journal of Physical Chemistry B, 2002, 106, 9372-9379.	2.6	58
248	Powdered Activated Carbons and Activated Carbon Fibers for Methane Storage: " A Comparative Study. Energy & Fuels, 2002, 16, 1321-1328.	5.1	124
249	Hydrogen Storage in Activated Carbons and Activated Carbon Fibers. Journal of Physical Chemistry B, 2002, 106, 10930-10934.	2.6	313
250	Selective synthesis of zeolite briquettes from conformed ashes. Journal of Chemical Technology and Biotechnology, 2002, 77, 287-291.	3.2	7
251	Application of zeolitic material synthesised from fly ash to the decontamination of waste water and flue gas. Journal of Chemical Technology and Biotechnology, 2002, 77, 292-298.	3.2	82
252	A TEOM-MS study on the interaction of N <sub>2</sub> O with a hydrotalcite-derived multimetallic mixed oxide catalyst. Applied Catalysis A: General, 2002, 225, 87-100.	4.3	14

#	ARTICLE	IF	CITATIONS
253	Activated carbon fibre monoliths. Fuel Processing Technology, 2002, 77-78, 445-451.	7.2	16
254	Can highly activated carbons be prepared with a homogeneous micropore size distribution?. Fuel Processing Technology, 2002, 77-78, 325-330.	7.2	25
255	Usefulness of chemically activated anthracite for the abatement of VOC at low concentrations. Fuel Processing Technology, 2002, 77-78, 331-336.	7.2	33
256	Advances in the study of methane storage in porous carbonaceous materials. Fuel, 2002, 81, 1777-1803.	6.4	367
257	Structural characterization of N-containing activated carbon fibers prepared from a low softening point petroleum pitch and a melamine resin. Carbon, 2002, 40, 597-608.	10.3	408
258	Influence of pore size distribution on methane storage at relatively low pressure: preparation of activated carbon with optimum pore size. Carbon, 2002, 40, 989-1002.	10.3	210
259	Increase of the softening point of a petroleum pitch by heat-treatment in the presence of a nitrogenated resin. Carbon, 2002, 40, 633-636.	10.3	2
260	Carbon-ceramic composites from coal tar pitch and clays: application as electrocatalyst support. Carbon, 2002, 40, 2193-2200.	10.3	19
261	High surface area carbon nanotubes prepared by chemical activation. Carbon, 2002, 40, 1614-1617.	10.3	107
262	Molecular sieve properties obtained by cracking of methane on activated carbon fibers. Carbon, 2002, 40, 2489-2494.	10.3	31
263	Characterization of pore distribution in activated carbon fibers by microbeam small angle X-ray scattering. Carbon, 2002, 40, 2727-2735.	10.3	44
264	Activated carbon monoliths for methane storage: influence of binder. Carbon, 2002, 40, 2817-2825.	10.3	172
265	Enhanced capacitance of carbon nanotubes through chemical activation. Chemical Physics Letters, 2002, 361, 35-41.	2.6	267
266	Synthesis and characterisation of MFI-type zeolites supported on carbon materials. Microporous and Mesoporous Materials, 2001, 42, 255-268.	4.4	58
267	Temperature programmed desorption study on the mechanism of SO <sub>2</sub> oxidation by activated carbon and activated carbon fibres. Carbon, 2001, 39, 231-242.	10.3	86
268	Preparation of activated carbons from Spanish anthracite. Carbon, 2001, 39, 741-749.	10.3	608
269	Preparation of activated carbons from Spanish anthracite. Carbon, 2001, 39, 751-759.	10.3	256
270	In situ small angle neutron scattering study of CD <sub>4</sub> adsorption under pressure in activated carbons. Carbon, 2001, 39, 1343-1354.	10.3	19



#	ARTICLE	IF	CITATIONS
271	Characterisation of coal tar pitches by thermal analysis, infrared spectroscopy and solvent fractionation. <i>Fuel</i> , 2001, 80, 41-48.	6.4	110
272	Effect of the support in Pt and PtSn catalysts used for selective hydrogenation of carvone. <i>Catalysis Today</i> , 2001, 66, 289-295.	4.4	30
273	Characterization of activated carbon fibers by Positron Annihilation Lifetime Spectroscopy (PALS). <i>Studies in Surface Science and Catalysis</i> , 2000, 128, 523-532.	1.5	8
274	Factors controlling the SO <sub>2</sub> removal by porous carbons: relevance of the SO <sub>2</sub> oxidation step. <i>Carbon</i> , 2000, 38, 335-344.	10.3	178
275	Further evidences of the usefulness of CO <sub>2</sub> adsorption to characterize microporous solids.. <i>Studies in Surface Science and Catalysis</i> , 2000, 128, 485-494.	1.5	43
276	Porosity Development during CO <sub>2</sub> and Steam Activation in a Fluidized Bed Reactor. <i>Energy &amp; Fuels</i> , 2000, 14, 142-149.	5.1	39
277	XAFS Study of Dried and Reduced PtSn/C Catalysts: Nature and Structure of the Catalytically Active Phase. <i>Langmuir</i> , 2000, 16, 1123-1131.	3.5	32
278	Characterization of Bimetallic PtSn Catalysts Supported on Purified and H <sub>2</sub> O <sub>2</sub> -Functionalized Carbons Used for Hydrogenation Reactions. <i>Journal of Catalysis</i> , 1999, 184, 514-525.	6.2	72
279	Catalytic Oxidation of Sulfur Dioxide by Activated Carbon: A Physical Chemistry Experiment. <i>Journal of Chemical Education</i> , 1999, 76, 958.	2.3	17
280	Preparation of conductive carbon-ceramic composites from coal tar pitch and ceramic monoliths. <i>Carbon</i> , 1998, 36, 1003-1009.	10.3	19
281	Molecular sieve properties of general-purpose carbon fibres. <i>Carbon</i> , 1998, 36, 1353-1360.	10.3	43
282	Characterization of activated carbon fibers by small angle x-ray scattering. <i>Carbon</i> , 1998, 36, 309-312.	10.3	22
283	CO <sub>2</sub> as an Adsorptive To Characterize Carbon Molecular Sieves and Activated Carbons. <i>Langmuir</i> , 1998, 14, 4589-4596.	3.5	359
284	States of Pt in Pt/C catalyst precursors after impregnation, drying and reduction steps. <i>Applied Catalysis A: General</i> , 1998, 170, 93-103.	4.3	92
285	Further Advances in the Characterization of Microporous Carbons by Physical Adsorption of Gases. <i>Tanso</i> , 1998, 1998, 316-325.	0.1	59
286	Methane storage in activated carbon fibres. <i>Carbon</i> , 1997, 35, 291-297.	10.3	144
287	The effects of hydrogen on thermal desorption of oxygen surface complexes. <i>Carbon</i> , 1997, 35, 543-554.	10.3	81
288	Preparation of general purpose carbon fibers from coal tar pitches with low softening point. <i>Carbon</i> , 1997, 35, 1079-1087.	10.3	85

#	ARTICLE	IF	CITATIONS
289	Theoretical and experimental studies of methane adsorption on microporous carbons. Carbon, 1997, 35, 1251-1258.	10.3	104
290	Production of activated carbons: use of CO <sub>2</sub> versus H <sub>2</sub> O as activating agent. A reply to a letter from P. L. Walker Jr.. Carbon, 1997, 35, 1665-1668.	10.3	25
291	Characterization of Activated Carbon Fibers by CO <sub>2</sub> Adsorption. Langmuir, 1996, 12, 2820-2824.	3.5	378
292	Structure Sensitivity of CO <sub>2</sub> Hydrogenation Reaction Catalyzed by Pt/Carbon Catalysts. Langmuir, 1996, 12, 379-385.	3.5	20
293	Structural study of a phenolformaldehyde char. Carbon, 1996, 34, 719-727.	10.3	28
294	Selective porosity development by calcium-catalyzed carbon gasification. Carbon, 1996, 34, 869-878.	10.3	42
295	Structural studies of microporous carbons by neutron diffraction. Carbon, 1996, 34, 857-860.	10.3	15
296	CO <sub>2</sub> hydrogenation under pressure on catalysts Pt <sub>i</sub> -Ca/C. Applied Catalysis A: General, 1996, 134, 159-167.	4.3	16
297	Isotopic steady-state and step-response study on carbon gasification catalyzed by calcium. Carbon, 1995, 33, 1147-1154.	10.3	11
298	Metal-support interaction in Pt/C catalysts. Influence of the support surface chemistry and the metal precursor. Carbon, 1995, 33, 3-13.	10.3	191
299	Effect of the activating gas on tensile strength and pore structure of pitch-based carbon fibres. Carbon, 1994, 32, 1277-1283.	10.3	132
300	On why do different carbons show different gasification rates: A transient isotopic CO <sub>2</sub> gasification study. Carbon, 1994, 32, 1223-1231.	10.3	29
301	Assessment of the CO <sub>2</sub> -carbon gasification catalyzed by calcium. A transient isotopic study. Carbon, 1994, 32, 423-430.	10.3	17
302	Carbon dioxide hydrogenation catalyzed by alkaline earth- and platinum-based catalysts supported on carbon. Applied Catalysis A: General, 1994, 116, 187-204.	4.3	21
303	Characterization of pore size in activated carbons by small-angle x-ray scattering. Studies in Surface Science and Catalysis, 1994, , 273-281.	1.5	4
304	CO <sub>2</sub> -Carbon gasification catalyzed by alkaline-earths: Comparative study of the metal-carbon interaction and of the specific activity. Carbon, 1993, 31, 493-500.	10.3	25
305	Tpd and TPR characterization of carbonaceous supports and Pt/C catalysts. Carbon, 1993, 31, 895-902.	10.3	149
306	XAFS and thermogravimetry study of the sintering of calcium supported on carbon. Energy & Fuels, 1993, 7, 139-145.	5.1	28

#	ARTICLE	IF	CITATIONS
307	Local structure of calcium species dispersed on carbon: influence of the metal loading procedure and its evolution during pyrolysis. <i>Energy &amp; Fuels</i> , 1993, 7, 625-631.	5.1	18
308	A temperature-programmed reaction study of calcium-catalyzed carbon gasification. <i>Energy &amp; Fuels</i> , 1992, 6, 287-293.	5.1	19
309	Carbon gasification catalyzed by calcium: A high vacuum temperature programmed desorption study. <i>Carbon</i> , 1992, 30, 995-1000.	10.3	24
310	Calcium catalytic active sites in carbon-gas reactions. Determination of the specific activity. <i>Energy &amp; Fuels</i> , 1991, 5, 796-802.	5.1	14
311	Carbon dioxide-calcium oxide surface and bulk reactions: thermodynamic and kinetic approach. <i>The Journal of Physical Chemistry</i> , 1991, 95, 6611-6617.	2.9	40
312	Calcium-carbon interaction study: Its importance in the carbon-gas reactions. <i>Carbon</i> , 1991, 29, 361-369.	10.3	43
313	In situ methods used to characterize calcium as a catalyst of carbon gasification reactions. <i>Catalysis Today</i> , 1991, 9, 219-226.	4.4	9
314	An Approach to the Mechanism of the CO <sub>2</sub> -Carbon Gasification Reaction Catalyzed by Calcium. , 1991, , 409-434.		4
315	The state of calcium as a char gasification catalyst " a temperature-programmed reaction study. <i>Fuel</i> , 1990, 69, 878-884.	6.4	19
316	Nature and structure of calcium dispersed on carbon. <i>Energy &amp; Fuels</i> , 1990, 4, 467-474.	5.1	48
317	Removal of heavy metal ions by adsorption onto activated carbon prepared from <i>Stipa tenacissima</i> leaves. , 0, 64, 179-188.		2