Diego Cazorla-Amoros

List of Publications by Year
in descending order

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	Understanding chemical reactions between carbons and NaOH and KOH. Carbon, 2003, 41, 267-275.	10.3	1,003
2	KOH and NaOH activation mechanisms of multiwalled carbon nanotubes with different structural organisation. Carbon, 2005, 43, 786-795.	10.3	727
3	Preparation of activated carbons from Spanish anthracite. Carbon, 2001, 39, 741-749.	10.3	608
4	Behaviour of activated carbons with different pore size distributions and surface oxygen groups for benzene and toluene adsorption at low concentrations. Carbon, 2005, 43, 1758-1767.	10.3	472
5	Hydrogen storage on chemically activated carbons and carbon nanomaterials at high pressures. Carbon, 2007, 45, 293-303.	10.3	420
6	Influence of pore structure and surface chemistry on electric double layer capacitance in non-aqueous electrolyte. Carbon, 2003, 41, 1765-1775.	10.3	414
7	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
8	Characterization of Activated Carbon Fibers by CO2 Adsorption. Langmuir, 1996, 12, 2820-2824.	3.5	378
9	Role of surface chemistry on electric double layer capacitance of carbon materials. Carbon, 2005, 43, 2677-2684.	10.3	372
10	Advances in the study of methane storage in porous carbonaceous materials. Fuel, 2002, 81, 1777-1803.	6.4	367
11	CO2As an Adsorptive To Characterize Carbon Molecular Sieves and Activated Carbons. Langmuir, 1998, 14, 4589-4596.	3.5	359
12	About reactions occurring during chemical activation with hydroxides. Carbon, 2004, 42, 1371-1375.	10.3	342
13	Carbon activation with KOH as explored by temperature programmed techniques, and the effects of hydrogen. Carbon, 2007, 45, 2529-2536.	10.3	335
14	Usefulness of CO2 adsorption at 273 K for the characterization of porous carbons. Carbon, 2004, 42, 1233-1242.	10.3	317
15	Hydrogen Storage in Activated Carbons and Activated Carbon Fibers. Journal of Physical Chemistry B, 2002, 106, 10930-10934.	2.6	313
16	Activation of coal tar pitch carbon fibres: Physical activation vs. chemical activation. Carbon, 2004, 42, 1367-1370.	10.3	280
17	Enhanced capacitance of carbon nanotubes through chemical activation. Chemical Physics Letters, 2002, 361, 35-41.	2.6	267
18	Preparation of activated carbons from Spanish anthracite. Carbon, 2001, 39, 751-759.	10.3	256

#	Article	IF	Citations
19	Metal-free heteroatom-doped carbon-based catalysts for ORR: A critical assessment about the role of heteroatoms. Carbon, 2020, 165, 434-454.	10.3	231
20	Chemical and electrochemical characterization of porous carbon materials. Carbon, 2006, 44, 2642-2651.	10.3	211
21	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
22	Tailoring the porosity of chemically activated hydrothermal carbons: Influence of the precursor and hydrothermal carbonization temperature. Carbon, 2013, 62, 346-355.	10.3	198
23	The role of different nitrogen functional groups on the removal of SO2 from flue gases by N-doped activated carbon powders and fibres. Carbon, 2003, 41, 1925-1932.	10.3	196
24	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
25	Factors controling the SO2 removal by porous carbons: relevance of the SO2 oxidation step. Carbon, 2000, 38, 335-344.	10.3	178
26	Activated carbon monoliths for methane storage: influence of binder. Carbon, 2002, 40, 2817-2825.	10.3	172
27	Hydrothermal Carbons from Hemicelluloseâ€Derived Aqueous Hydrolysis Products as Electrode Materials for Supercapacitors. ChemSusChem, 2013, 6, 374-382.	6.8	169
28	Competitive adsorption of a benzeneâ€“toluene mixture on activated carbons at low concentration. Carbon, 2006, 44, 1455-1463.	10.3	164
29	Effects of different carbon materials on MgH2 decomposition. Carbon, 2008, 46, 126-137.	10.3	158
30	Tpd and TPR characterization of carbonaceous supports and Pt/C catalysts. Carbon, 1993, 31, 895-902.	10.3	149
31	From Waste to Wealth: From Kraft Lignin to Free-standing Supercapacitors. Carbon, 2019, 145, 470-480.	10.3	145
32	Methane storage in activated carbon fibres. Carbon, 1997, 35, 291-297.	10.3	144
33	Effect of the activating gas on tensile strength and pore structure of pitch-based carbon fibres. Carbon, 1994, 32, 1277-1283.	10.3	132
34	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
35	Electrochemical deposition of platinum nanoparticles on different carbon supports and conducting polymers. Journal of Applied Electrochemistry, 2008, 38, 259-268.	2.9	129
36	Semihydrogenation of Phenylacetylene Catalyzed by Palladium Nanoparticles Supported on Carbon Materials. Journal of Physical Chemistry C, 2008, 112, 3827-3834.	3.1	125

#	Article	IF	Citations
37	Powdered Activated Carbons and Activated Carbon Fibers for Methane Storage:â€‰ A Comparative Study. Energy & Fuels, 2002, 16, 1321-1328.	5.1	124
38	Semihydrogenation of phenylacetylene catalyzed by metallic nanoparticles containing noble metals. Journal of Catalysis, 2006, 243, 74-81.	6.2	121
39	MOF-5 and activated carbons as adsorbents for gas storage. International Journal of Hydrogen Energy, 2012, 37, 2370-2381.	7.1	119
40	Advanced activated carbon monoliths and activated carbons for hydrogen storage. Microporous and Mesoporous Materials, 2008, 112, 235-242.	4.4	117
41	Role of the activated carbon surface chemistry in the adsorption of phenanthrene. Carbon, 2004, 42, 1683-1689.	10.3	115
42	Oxygen functional groups involved in the styrene production reaction detected by quasi in situ XPS. Catalysis Today, 2005, 102-103, 248-253.	4.4	115
43	Characterisation of coal tar pitches by thermal analysis, infrared spectroscopy and solvent fractionation. Fuel, 2001, 80, 41-48.	6.4	110
44	Benzene and toluene adsorption at low concentration on activated carbon fibres. Adsorption, 2011, 17, 473-481.	3.0	110
45	High surface area carbon nanotubes prepared by chemical activation. Carbon, 2002, 40, 1614-1617.	10.3	107
46	Effect of electrochemical treatments on the surface chemistry of activated carbon. Carbon, 2009, 47, 1018-1027.	10.3	105
47	Electrochemical regeneration and porosity recovery of phenol-saturated granular activated carbon in an alkaline medium. Carbon, 2010, 48, 2734-2745.	10.3	105
48	Theoretical and experimental studies of methane adsorption on microporous carbons. Carbon, 1997, 35, 1251-1258.	10.3	104
49	Influence of carbon fibres crystallinities on their chemical activation by KOH and NaOH. Microporous and Mesoporous Materials, 2007, 101, 397-405.	4.4	103
50	Biomass-derived binderless fibrous carbon electrodes for ultrafast energy storage. Green Chemistry, 2016, 18, 1506-1515.	9.0	102
51	Beyond the H₂/CO₂ upper bound: one-step crystallization and separation of nano-sized ZIF-11 by centrifugation and its application in mixed matrix membranes. Journal of Materials Chemistry A, 2015, 3, 6549-6556.	10.3	99
52	Investigation of Pd nanoparticles supported on zeolites for hydrogen production from formic acid dehydrogenation. Catalysis Science and Technology, 2015, 5, 364-371.	4.1	99
53	Inorganic materials as supports for palladium nanoparticles: Application in the semi-hydrogenation of phenylacetylene. Journal of Catalysis, 2008, 257, 87-95.	6.2	98
54	Investigating the influence of surfactants on the stabilization of aqueous reduced graphene oxide dispersions and the characteristics of their composite films. Carbon, 2012, 50, 3184-3194.	10.3	97

#	Article	IF	Citations
55	Electrochemical Performance of Hierarchical Porous Carbon Materials Obtained from the Infiltration of Lignin into Zeolite Templates. ChemSusChem, 2014, 7, 1458-1467.	6.8	96
56	Asymmetric hybrid capacitors based on activated carbon and activated carbon fibreâ€“PANI electrodes. Electrochimica Acta, 2013, 89, 326-333.	5.2	94
57	States of Pt in Pt/C catalyst precursors after impregnation, drying and reduction steps. Applied Catalysis A: General, 1998, 170, 93-103.	4.3	92
58	On the origin of the high capacitance of nitrogen-containing carbon nanotubes in acidic and alkaline electrolytes. Chemical Communications, 2014, 50, 11343-11346.	4.1	91
59	Free-standing supercapacitors from Kraft lignin nanofibers with remarkable volumetric energy density. Chemical Science, 2019, 10, 2980-2988.	7.4	88
60	Towards understanding the active sites for the ORR in N-doped carbon materials through fine-tuning of nitrogen functionalities: an experimental and computational approach. Journal of Materials Chemistry A, 2019, 7, 24239-24250.	10.3	87
61	Temperature programmed desorption study on the mechanism of SO2 oxidation by activated carbon and activated carbon fibres. Carbon, 2001, 39, 231-242.	10.3	86
62	Preparation of general purpose carbon fibers from coal tar pitches with low softening point. Carbon, 1997, 35, 1079-1087.	10.3	85
63	Effect of surface chemistry on electrochemical storage of hydrogen in porous carbon materials. Carbon, 2008, 46, 1053-1059.	10.3	83
64	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
65	Effect of carbon fibres on the mechanical properties and corrosion levels of reinforced portland cement mortars. Cement and Concrete Research, 2005, 35, 324-331.	11.0	82
66	Total oxidation of volatile organic compounds by vanadium promoted palladium-titania catalysts: Comparison of aromatic and polyaromatic compounds. Applied Catalysis B: Environmental, 2006, 62, 66-76.	20.2	82
67	Fundamentals of methane adsorption in microporous carbons. Microporous and Mesoporous Materials, 2009, 124, 110-116.	4.4	82
68	The effects of hydrogen on thermal desorption of oxygen surface complexes. Carbon, 1997, 35, 543-554.	10.3	81
69	Ultraporous nitrogen-doped zeolite-templated carbon for high power density aqueous-based supercapacitors. Carbon, 2018, 129, 510-519.	10.3	79
70	Enhanced electro-oxidation resistance of carbon electrodes induced by phosphorus surface groups. Carbon, 2015, 95, 681-689.	10.3	76
71	Lignin-derived Pt supported carbon (submicron)fiber electrocatalysts for alcohol electro-oxidation. Applied Catalysis B: Environmental, 2017, 211, 18-30.	20.2	75
72	Comparison among Chemical, Thermal, and Electrochemical Regeneration of Phenol-Saturated Activated Carbon. Energy & Fuels, 2010, 24, 3366-3372.	5.1	73

#	ARTICLE	IF	CITATIONS
73	Characterization of Bimetallic PtSn Catalysts Supported on Purified and H2O2-Functionalized Carbons Used for Hydrogenation Reactions. Journal of Catalysis, 1999, 184, 514-525.	6.2	72
74	Flexible ruthenium oxide-activated carbon cloth composites prepared by simple electrodeposition methods. Energy, 2013, 58, 519-526.	8.8	69
75	Clay-supported graphene materials: application to hydrogen storage. Physical Chemistry Chemical Physics, 2013, 15, 18635.	2.8	69
76	A comparison of hydrogen storage in activated carbons and a metalâ€“organic framework (MOF-5). Carbon, 2010, 48, 2906-2909.	10.3	67
77	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
78	Activation of electrospun lignin-based carbon fibers and their performance as self-standing supercapacitor electrodes. Separation and Purification Technology, 2020, 241, 116724.	7.9	67
79	Improvement of carbon materials performance by nitrogen functional groups in electrochemical capacitors in organic electrolyte at severe conditions. Carbon, 2015, 82, 205-213.	10.3	66
80	Asymmetric capacitors using lignin-based hierarchical porous carbons. Journal of Power Sources, 2016, 326, 641-651.	7.8	64
81	Polyaniline/porous carbon electrodes by chemical polymerisation: Effect of carbon surface chemistry. Electrochimica Acta, 2007, 52, 4962-4968.	5.2	62
82	Effects of Carbon-Supported Nickel Catalysts on MgH2Decomposition. Journal of Physical Chemistry C, 2008, 112, 5984-5992.	3.1	62
83	Electrochemical generation of oxygen-containing groups in an ordered microporous zeolite-templated carbon. Carbon, 2013, 54, 94-104.	10.3	62
84	Hydrogen Storage in Porous Materials: Status, Milestones, and Challenges. Chemical Record, 2018, 18, 900-912.	5.8	62
85	Insight into the origin of carbon corrosion in positive electrodes of supercapacitors. Journal of Materials Chemistry A, 2019, 7, 7480-7488.	10.3	62
86	Evolution of the PVPâ€“Pd Surface Interaction in Nanoparticles through the Case Study of Formic Acid Decomposition. Langmuir, 2016, 32, 12110-12118.	3.5	61
87	Activated Carbons Prepared through H₃PO₄â€Assisted Hydrothermal Carbonisation from Biomass Wastes: Porous Texture and Electrochemical Performance. ChemPlusChem, 2016, 81, 1349-1359.	2.8	60
88	Further Advances in the Characterization of Microporous Carbons by Physical Adsorption of Gases. Tanso, 1998, 1998, 316-325.	0.1	59
89	Synthesis and characterisation of MFI-type zeolites supported on carbon materials. Microporous and Mesoporous Materials, 2001, 42, 255-268.	4.4	58
90	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

#	Article	IF	Citations
91	Key factors improving oxygen reduction reaction activity in cobalt nanoparticles modified carbon nanotubes. Applied Catalysis B: Environmental, 2017, 217, 303-312.	20.2	58
92	Strategies to Enhance the Performance of Electrochemical Capacitors Based on Carbon Materials. Frontiers in Materials, 2019, 6, .	2.4	58
93	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
94	Electrochemical Methods to Enhance the Capacitance in Activated Carbon/Polyaniline Composites. Journal of the Electrochemical Society, 2008, 155, A672.	2.9	53
95	Screening of different zeolites and silicoaluminophosphates for the retention of propene under cold start conditions. Microporous and Mesoporous Materials, 2010, 130, 239-247.	4.4	53
96	A new strategy for germanium adsorption on activated carbon by complex formation. Carbon, 2007, 45, 2519-2528.	10.3	50
97	Oxygen-reduction catalysis of N-doped carbons prepared <i>via</i> heat treatment of polyaniline at over 1100 Â°C. Chemical Communications, 2018, 54, 4441-4444.	4.1	50
98	Palladium and Bimetallic Palladiumâ€“Nickel Nanoparticles Supported on Multiwalled Carbon Nanotubes: Application to Carbonï£¿Carbon Bondâ€Forming Reactions in Water. ChemCatChem, 2015, 7, 1841-1847.	3.7	49
99	Design of Activated Carbon/Activated Carbon Asymmetric Capacitors. Frontiers in Materials, 2016, 3, .	2.4	49
100	Nature and structure of calcium dispersed on carbon. Energy & Fuels, 1990, 4, 467-474.	5.1	48
101	Silica-templated ordered mesoporous carbon thin films as electrodes for micro-capacitors. Journal of Materials Chemistry A, 2016, 4, 4570-4579.	10.3	48
102	Adsorption properties of carbon molecular sieves prepared from an activated carbon by pitch pyrolysis. Carbon, 2005, 43, 1643-1651.	10.3	47
103	Ni-doped carbon xerogels for H2 storage. Carbon, 2010, 48, 2722-2733.	10.3	47
104	Preferential oxidation of CO catalyzed by supported polymer-protected palladium-based nanoparticles. Applied Catalysis B: Environmental, 2010, 98, 161-170.	20.2	47
105	New insights on electrochemical hydrogen storage in nanoporous carbons by in situ Raman spectroscopy. Carbon, 2014, 69, 401-408.	10.3	47
106	Probe Molecule Kinetic Studies of Adsorption on MCM-41. Journal of Physical Chemistry B, 2003, 107, 1012-1020.	2.6	46
107	Characterization of pore distribution in activated carbon fibers by microbeam small angle X-ray scattering. Carbon, 2002, 40, 2727-2735.	10.3	44
108	Generation of nitrogen functionalities on activated carbons by amidation reactions and Hofmann rearrangement: Chemical and electrochemical characterization. Carbon, 2015, 91, 252-265.	10.3	44

#	Article	IF	Citations
109	Calcium-carbon interaction study: Its importance in the carbon-gas reactions. Carbon, 1991, 29, 361-369.	10.3	43
110	Molecular sieve properties of general-purpose carbon fibres. Carbon, 1998, 36, 1353-1360.	10.3	43
111	Further evidences of the usefulness of CO2 adsorption to characterize microporous solids.. Studies in Surface Science and Catalysis, 2000, 128, 485-494.	1.5	43
112	A comparison between oxidation of activated carbon by electrochemical and chemical treatments. Carbon, 2012, 50, 1123-1134.	10.3	43
113	Selective porosity development by calcium-catalyzed carbon gasification. Carbon, 1996, 34, 869-878.	10.3	42
114	Regeneration of activated carbons saturated with benzene or toluene using an oxygen-containing atmosphere. Chemical Engineering Science, 2010, 65, 2190-2198.	3.8	42
115	Nitrogen doped superporous carbon prepared by a mild method. Enhancement of supercapacitor performance. International Journal of Hydrogen Energy, 2016, 41, 19691-19701.	7.1	42
116	New insights into the electrochemical behaviour of porous carbon electrodes for supercapacitors. Journal of Energy Storage, 2018, 19, 337-347.	8.1	42
117	Nitrogen-Doped Superporous Activated Carbons as Electrocatalysts for the Oxygen Reduction Reaction. Materials, 2019, 12, 1346.	2.9	42
118	Pseudocapacitance of zeolite-templated carbon in organic electrolytes. Energy Storage Materials, 2015, 1, 35-41.	18.0	41
119	Carbon dioxide-calcium oxide surface and bulk reactions: thermodynamic and kinetic approach. The Journal of Physical Chemistry, 1991, 95, 6611-6617.	2.9	40
120	Scale-up activation of carbon fibres for hydrogen storage. International Journal of Hydrogen Energy, 2010, 35, 2393-2402.	7.1	40
121	Measuring cycle efficiency and capacitance of chemically activated carbons in propylene carbonate. Carbon, 2010, 48, 1451-1456.	10.3	40
122	Single wall carbon nanotubes loaded with Pd and NiPd nanoparticles for H2 sensing at room temperature. Carbon, 2014, 66, 599-611.	10.3	40
123	Porosity Development during CO2and Steam Activation in a Fluidized Bed Reactor. Energy & Fuels, 2000, 14, 142-149.	5.1	39
124	Pd/zeolite-based catalysts for the preferential CO oxidation reaction: ion-exchange, Si/Al and structure effect. Catalysis Science and Technology, 2016, 6, 2623-2632.	4.1	39
125	Biomass waste conversion into low-cost carbon-based materials for supercapacitors: A sustainable approach for the energy scenario. Journal of Electroanalytical Chemistry, 2021, 880, 114899.	3.8	39
126	Isotropic petroleum pitch as a carbon precursor for the preparation of activated carbons by KOH activation. Carbon, 2009, 47, 2141-2142.	10.3	37

#	ARTICLE	IF	CITATIONS
127	Pillared carbons consisting of silsesquioxane bridged graphene layers for hydrogen storage materials. International Journal of Hydrogen Energy, 2012, 37, 10702-10708.	7.1	37
128	Tailoring the Surface Chemistry of Activated Carbon Cloth by Electrochemical Methods. ACS Applied Materials & Interfaces, 2014, 6, 11682-11691.	8.0	37
129	HRTEM study of activated carbons prepared by alkali hydroxide activation of anthracite. Carbon, 2004, 42, 1305-1310.	10.3	36
130	Electrochemical behaviour of activated carbons obtained via hydrothermal carbonization. Journal of Materials Chemistry A, 2015, 3, 15558-15567.	10.3	36
131	Analysis of the microporosity shrinkage upon thermal post-treatment of H3PO4 activated carbons. Carbon, 2004, 42, 1339-1343.	10.3	35
132	Impact of the carbonisation temperature on the activation of carbon fibres and their application for hydrogen storage. International Journal of Hydrogen Energy, 2008, 33, 3091-3095.	7.1	35
133	Functionalization of carbon nanotubes using aminobenzene acids and electrochemical methods. Electroactivity for the oxygen reduction reaction. International Journal of Hydrogen Energy, 2015, 40, 11242-11253.	7.1	34
134	Highly Stable N-Doped Carbon-Supported Pd-Based Catalysts Prepared from Biomass Waste for H₂ Production from Formic Acid. ACS Sustainable Chemistry and Engineering, 2020, 8, 15030-15043.	6.7	34
135	Effects of the surface chemistry and structure of carbon nanotubes on the coating of glucose oxidase and electrochemical biosensors performance. RSC Advances, 2017, 7, 26867-26878.	3.6	34
136	Usefulness of chemically activated anthracite for the abatement of VOC at low concentrations. Fuel Processing Technology, 2002, 77-78, 331-336.	7.2	33
137	Effect of the aging time of PVP coated palladium nanoparticles colloidal suspensions on their catalytic activity in the preferential oxidation of CO. Catalysis Today, 2012, 187, 2-9.	4.4	33
138	Structural and morphological alterations induced by cobalt substitution in LaMnO3 perovskites. Journal of Colloid and Interface Science, 2019, 556, 658-666.	9.4	33
139	XAFS Study of Dried and Reduced PtSn/C Catalysts: Nature and Structure of the Catalytically Active Phase. Langmuir, 2000, 16, 1123-1131.	3.5	32
140	Kinetics of Double-Layer Formation: Influence of Porous Structure and Pore Size Distribution. Energy & Fuels, 2010, 24, 3378-3384.	5.1	32
141	Molecular sieve properties obtained by cracking of methane on activated carbon fibers. Carbon, 2002, 40, 2489-2494.	10.3	31
142	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
143	Total oxidation of naphthalene using palladium nanoparticles supported on BETA, ZSM-5, SAPO-5 and alumina powders. Applied Catalysis B: Environmental, 2013, 129, 98-105.	20.2	31
144	Electrochemical performance of a superporous activated carbon in ionic liquid-based electrolytes. Journal of Power Sources, 2016, 336, 419-426.	7.8	31

#	Article	IF	Citations
145	Carbon Nanotubes Modified With Au for Electrochemical Detection of Prostate Specific Antigen: Effect of Au Nanoparticle Size Distribution. Frontiers in Chemistry, 2019, 7, 147.	3.6	31
146	Effect of the support in Pt and PtSn catalysts used for selective hydrogenation of carvone. Catalysis Today, 2001, 66, 289-295.	4.4	30
147	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
148	One step-synthesis of highly dispersed iron species into silica for propylene epoxidation with dioxygen. Journal of Catalysis, 2016, 338, 154-167.	6.2	30
149	On why do different carbons show different gasification rates: A transient isotopic CO2 gasification study. Carbon, 1994, 32, 1223-1231.	10.3	29
150	CuH-ZSM-5 as Hydrocarbon Trap under Cold Start Conditions. Environmental Science & Technology, 2013, 47, 5851-5857.	10.0	29
151	XAFS and thermogravimetry study of the sintering of calcium supported on carbon. Energy & Fuels, 1993, 7, 139-145.	5.1	28
152	Structural study of a phenolformaldehyde char. Carbon, 1996, 34, 719-727.	10.3	28
153	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
154	Activated Carbons for the Removal of Low-Concentration Gaseous Toluene at the Semipilot Scale. Industrial & Engineering Chemistry Research, 2009, 48, 2066-2075.	3.7	28
155	Understanding of oxygen reduction reaction by examining carbon-oxygen gasification reaction and carbon active sites onÂmetalÂand heteroatoms free carbon materials of different porositiesÂand structures. Carbon, 2019, 148, 430-440.	10.3	28
156	Hardwood <i>versus</i> softwood Kraft lignin â€" precursor-product relationships in the manufacture of porous carbon nanofibers for supercapacitors. Journal of Materials Chemistry A, 2020, 8, 23543-23554.	10.3	28
157	Preparation of thin silicalite-1 layers on carbon materials by electrochemical methods. Microporous and Mesoporous Materials, 2003, 66, 331-340.	4.4	27
158	Capillary microreactors based on hierarchical SiO2 monoliths incorporating noble metal nanoparticles for the Preferential Oxidation of CO. Chemical Engineering Journal, 2015, 275, 71-78.	12.7	27
159	Relevance of the Interaction between the M-Phthalocyanines and Carbon Nanotubes in the Electroactivity toward ORR. Langmuir, 2017, 33, 11945-11955.	3.5	27
160	Synthesis of conducting polymer/carbon material composites and their application in electrical energy storage. , 2017, , 173-209.		27
161	Effect of Nitrogen-Functional Groups on the ORR Activity of Activated Carbon Fiber-Polypyrrole-Based Electrodes. Electrocatalysis, 2018, 9, 697-705.	3.0	27
162	Graphene-Clay Based Nanomaterials for Clean Energy Storage. Science of Advanced Materials, 2014, 6, 151-158.	0.7	27

#	Article	IF	Citations
163	Manganese oxides/LaMnO3 perovskite materials and their application in the oxygen reduction reaction. Energy, 2022, 247, 123456.	8.8	27
164	Hydrogen Production from Formic Acid Attained by Bimetallic Heterogeneous PdAg Catalytic Systems. Energies, 2019, 12, 4027.	3.1	26
165	Zn-Promoted Selective Gas-Phase Hydrogenation of Tertiary and Secondary C4 Alkynols over Supported Pd. ACS Applied Materials & Interfaces, 2020, 12, 28158-28168.	8.0	26
166	Effect of carbon surface on degradation of supercapacitors in a negative potential range. Journal of Power Sources, 2020, 457, 228042.	7.8	26
167	CO2-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
168	Production of activated carbons: use of CO2 versus H2O as activating agent. A reply to a letter from P. L. Walker Jr.. Carbon, 1997, 35, 1665-1668.	10.3	25
169	Can highly activated carbons be prepared with a homogeneous micropore size distribution?. Fuel Processing Technology, 2002, 77-78, 325-330.	7.2	25
170	Effect of the surface chemical groups of activated carbons on their surface adsorptivity to aromatic adsorbates based on Ï€-Ï€ interactions. Materials Chemistry and Physics, 2014, 143, 1489-1499.	4.0	25
171	Metal free electrochemical glucose biosensor based on N-doped porous carbon material. Electrochimica Acta, 2021, 367, 137434.	5.2	25
172	Carbon gasification catalyzed by calcium: A high vacuum temperature programmed desorption study. Carbon, 1992, 30, 995-1000.	10.3	24
173	Stabilisation of low softening point petroleum pitch fibres by HNO3. Carbon, 2003, 41, 1001-1007.	10.3	24
174	Characterization of activated carbon fiber/polyaniline materials by position-resolved microbeam small-angle X-ray scattering. Carbon, 2012, 50, 1051-1056.	10.3	23
175	Optimizing the performance of catalytic traps for hydrocarbon abatement during the cold-start of a gasoline engine. Journal of Hazardous Materials, 2014, 279, 527-536.	12.4	23
176	Carbonâ€“carbon asymmetric aqueous capacitor by pseudocapacitive positive and stable negative electrodes. Carbon, 2014, 67, 792-794.	10.3	23
177	Electrochemical regeneration of spent activated carbon from drinking water treatment plant at different scale reactors. Chemosphere, 2021, 264, 128399.	8.2	23
178	On the deactivation of N-doped carbon materials active sites during oxygen reduction reaction. Carbon, 2022, 189, 548-560.	10.3	23
179	Characterization of activated carbon fibers by small angle x-ray scattering. Carbon, 1998, 36, 309-312.	10.3	22
180	Effect of the porous texture and surface chemistry of activated carbons on the adsorption of a germanium complex from dilute aqueous solutions. Carbon, 2011, 49, 3325-3331.	10.3	22

#	Article	IF	Citations
181	Nanoarchitectures Based on Layered Titanosilicates Supported on Glass Fibers: Application to Hydrogen Storage. Langmuir, 2013, 29, 7449-7455.	3.5	22
182	Characterization of a zeolite-templated carbon by electrochemical quartz crystal microbalance and in situ Raman spectroscopy. Carbon, 2015, 89, 63-73.	10.3	22
183	Copper-Doped Cobalt Spinel Electrocatalysts Supported on Activated Carbon for Hydrogen Evolution Reaction. Materials, 2019, 12, 1302.	2.9	22
184	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
185	Binderless thin films of zeolite-templated carbon electrodes useful for electrochemical microcapacitors with ultrahigh rate performance. Physical Chemistry Chemical Physics, 2013, 15, 10331.	2.8	21
186	Efficient Pt electrocatalysts supported onto flavin mononucleotideâ€“exfoliated pristine graphene for the methanol oxidation reaction. Electrochimica Acta, 2017, 231, 386-395.	5.2	21
187	Post-synthetic efficient functionalization of polyaniline with phosphorus-containing groups. Effect of phosphorus on electrochemical properties. European Polymer Journal, 2019, 119, 272-280.	5.4	21
188	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. ACS Applied Materials & Interfaces, 2020, 12, 54815-54823.	8.0	21
189	Transition metal oxides with perovskite and spinel structures for electrochemical energy production applications. Environmental Research, 2022, 214, 113731.	7.5	21
190	Structure Sensitivity of CO2Hydrogenation Reaction Catalyzed by Pt/Carbon Catalysts. Langmuir, 1996, 12, 379-385.	3.5	20
191	Silicalite-1 membranes supported on porous carbon discs. Microporous and Mesoporous Materials, 2003, 59, 147-159.	4.4	20
192	Comparative Characterization Study of Microporous Carbons by HRTEM Image Analysis and Gas Adsorption. Journal of Physical Chemistry B, 2005, 109, 15032-15036.	2.6	20
193	Effect of the intercalated cation on the properties of poly(o-methylaniline)/maghnite clay nanocomposites. European Polymer Journal, 2008, 44, 1275-1284.	5.4	20
194	Abatement of hydrocarbons by acid ZSM-5 and BETA zeolites under cold-start conditions. Adsorption, 2013, 19, 357-365.	3.0	20
195	BETA Zeolite Thin Films Supported on Honeycomb Monoliths with Tunable Properties as Hydrocarbon Traps under Coldâ€Start Conditions. ChemSusChem, 2013, 6, 1467-1477.	6.8	20
196	Electroadsorption of Arsenic from Natural Water in Granular Activated Carbon. Frontiers in Materials, 2014, 1, .	2.4	20
197	Structural and textural features of TiO2/SAPO-34 nanocomposite prepared by the solâ€“gel method. Research on Chemical Intermediates, 2016, 42, 8039-8053.	2.7	20
198	The state of calcium as a char gasification catalyst â€” a temperature-programmed reaction study. Fuel, 1990, 69, 878-884.	6.4	19

#	Article	IF	Citations
199	A temperature-programmed reaction study of calcium-catalyzed carbon gasification. Energy & Fuels, 1992, 6, 287-293.	5.1	19
200	Preparation of conductive carbon-ceramic composites from coal tar pitch and ceramic monoliths. Carbon, 1998, 36, 1003-1009.	10.3	19
201	In situ small angle neutron scattering study of CD4 adsorption under pressure in activated carbons. Carbon, 2001, 39, 1343-1354.	10.3	19
202	About the exclusive mesoporous character of MCM-41. Studies in Surface Science and Catalysis, 2002, 144, 83-90.	1.5	19
203	Carbonâ€“ceramic composites from coal tar pitch and clays: application as electrocatalyst support. Carbon, 2002, 40, 2193-2200.	10.3	19
204	Photocatalytically-driven H2 production over Cu/TiO2 catalysts decorated with multi-walled carbon nanotubes. Catalysis Today, 2021, 364, 182-189.	4.4	19
205	Efficient and cost-effective ORR electrocatalysts based on low content transition metals highly dispersed on C3N4/super-activated carbon composites. Carbon, 2022, 196, 378-390.	10.3	19
206	Local structure of calcium species dispersed on carbon: influence of the metal loading procedure and its evolution during pyrolysis. Energy & Fuels, 1993, 7, 625-631.	5.1	18
207	Comparative study of the micropore development on physical activation of carbon fibers from coal tar and petroleum pitches. Microporous and Mesoporous Materials, 2008, 112, 125-132.	4.4	18
208	Carbon Material and Cobalt-Substitution Effects in the Electrochemical Behavior of LaMnO3 for ORR and OER. Nanomaterials, 2020, 10, 2394.	4.1	18
209	Assessment of the CO2-carbon gasification catalyzed by calcium. A transient isotopic study. Carbon, 1994, 32, 423-430.	10.3	17
210	Catalytic Oxidation of Sulfur Dioxide by Activated Carbon: A Physical Chemistry Experiment. Journal of Chemical Education, 1999, 76, 958.	2.3	17
211	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
212	Zeolite LTA/carbon membranes for air separation. Microporous and Mesoporous Materials, 2008, 115, 51-60.	4.4	17
213	Arsenic species interactions with a porous carbon electrode as determined with an electrochemical quartz crystal microbalance. Electrochimica Acta, 2009, 54, 3996-4004.	5.2	17
214	Successful functionalization of superporous zeolite templated carbon using aminobenzene acids and electrochemical methods. Carbon, 2016, 99, 157-166.	10.3	17
215	Magnetic zeolites: novel nanoreactors through radiofrequency heating. Chemical Communications, 2017, 53, 4262-4265.	4.1	17
216	Synthesis of TiO2 with Hierarchical Porosity for the Photooxidation of Propene. Molecules, 2017, 22, 2243.	3.8	17

#	Article	IF	Citations
217	Polyaniline-Derived N-Doped Ordered Mesoporous Carbon Thin Films: Efficient Catalysts towards Oxygen Reduction Reaction. Polymers, 2020, 12, 2382.	4.5	17
218	Electrochemical functionalization of single wall carbon nanotubes with phosphorus and nitrogen species. Electrochimica Acta, 2020, 340, 135935.	5.2	17
219	Nitrogen-Doped Seamless Activated Carbon Electrode with Excellent Durability for Electric Double Layer Capacitor. Journal of the Electrochemical Society, 2020, 167, 060523.	2.9	17
220	CO2 hydrogenation under pressure on catalysts Ptî—¸Ca/C. Applied Catalysis A: General, 1996, 134, 159-167.	4.3	16
221	Activated carbon fibre monoliths. Fuel Processing Technology, 2002, 77-78, 445-451.	7.2	16
222	Microporous Solid Characterization: Use of Classical andâ€œNewâ€•Techniques. Chemical Engineering and Technology, 2003, 26, 852-857.	1.5	16
223	Electrooxidation Methods to Produce Pseudocapacitance-containing Porous Carbons. Electrochemistry, 2013, 81, 833-839.	1.4	16
224	Synthesis of TiO₂/Nanozeolite Composites for Highly Efficient Photocatalytic Oxidation of Propene in the Gas Phase. ACS Omega, 2020, 5, 31323-31331.	3.5	16
225	Comparative analysis of water condensate porosity using mercury intrusion porosimetry and nitrogen and water adsorption techniques in porous building stones. Construction and Building Materials, 2021, 288, 123131.	7.2	16
226	Structural studies of microporous carbons by neutron diffraction. Carbon, 1996, 34, 857-860.	10.3	15
227	Preparation of silicalite-1 layers on Pt-coated carbon materials: a possible electrochemical approach towards membrane reactors. Microporous and Mesoporous Materials, 2005, 78, 159-167.	4.4	15
228	Characteristics of an activated carbon monolith for a helium adsorption compressor. Carbon, 2010, 48, 123-131.	10.3	15
229	Molecular simulation design of a multisite solid for the abatement of cold start emissions. Chemical Communications, 2012, 48, 6571.	4.1	15
230	Facile encapsulation of P25 (TiO2) 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
231	Tailoring Intrinsic Properties of Polyaniline by Functionalization with Phosphonic Groups. Polymers, 2020, 12, 2820.	4.5	15
232	Effect of surface oxygen groups in the electrochemical modification of multi-walled carbon nanotubes by 4-amino phenyl phosphonic acid. Carbon, 2020, 165, 328-339.	10.3	15
233	Calcium catalytic active sites in carbon-gas reactions. Determination of the specific activity. Energy & Fuels, 1991, 5, 796-802.	5.1	14
234	SO2âˆ’Faujasite Interaction:â€‰ A Study by in Situ FTIR and Thermogravimetry. Langmuir, 2002, 18, 9778-9782.	3.5	14

#	Article	IF	Citations
235	A TEOM-MS study on the interaction of N2O with a hydrotalcite-derived multimetallic mixed oxide catalyst. Applied Catalysis A: General, 2002, 225, 87-100.	4.3	14
236	Oxidation of SO2 catalysed by Mn-zeolites in aqueous phase. Applied Catalysis B: Environmental, 2004, 47, 203-207.	20.2	14
237	Experimental and simulated propene isotherms on porous solids. Applied Surface Science, 2010, 256, 5292-5297.	6.1	14
238	Easy fabrication of superporous zeolite templated carbon electrodes by electrospraying on rigid and flexible substrates. Journal of Materials Chemistry A, 2016, 4, 4610-4618.	10.3	14
239	K- and Ca-promoted ferrosilicates for the gas-phase epoxidation of propylene with O 2. Applied Catalysis A: General, 2017, 538, 139-147.	4.3	14
240	Photocatalytic Oxidation of VOCs in Gas Phase Using Capillary Microreactors with Commercial TiO2 (P25) Fillings. Materials, 2018, 11, 1149.	2.9	14
241	A Simple â€œNano-Templatingâ€•Method Using Zeolite Y Toward the Formation of Carbon Schwarzites. Frontiers in Materials, 2019, 6, .	2.4	14
242	Effect of the stabilisation time of pitch fibres on the molecular sieve properties of carbon fibres. Microporous and Mesoporous Materials, 2008, 109, 21-27.	4.4	13
243	Porous Texture of Carbons. Advanced Materials and Technologies, 2009, , 115-162.	0.4	13
244	Hydrogen purification for PEM fuel cells using membranes prepared by ion-exchange of Na-LTA/carbon membranes. Journal of Membrane Science, 2010, 351, 123-130.	8.2	13
245	Enhanced ammonia-borane decomposition by synergistic catalysis using CoPd nanoparticles supported on titano-silicates. RSC Advances, 2016, 6, 91768-91772.	3.6	13
246	Tailored metallacarboranes as mediators for boosting the stability of carbon-based aqueous supercapacitors. Sustainable Energy and Fuels, 2018, 2, 345-352.	4.9	13
247	Adsorption on Activated Carbon Fibers. , 2008, , 431-454.		12
248	Synthesis of Robust Hierarchical Silica Monoliths by Surface-Mediated Solution/Precipitation Reactions over Different Scales: Designing Capillary Microreactors for Environmental Applications. ACS Applied Materials & Interfaces, 2014, 6, 22506-22518.	8.0	12
249	Anchoring a Co/2-methylimidazole complex on ion-exchange resin and its transformation to Co/N-doped carbon as an electrocatalyst for the ORR. Catalysis Science and Technology, 2019, 9, 578-582.	4.1	12
250	Feasibility of electrochemical regeneration of activated carbon used in drinking water treatment plant. Reactor configuration design at a pilot scale. Chemical Engineering Research and Design, 2021, 148, 846-857.	5.6	12
251	Isotopic steady-state and step-response study on carbon gasification catalyzed by calcium. Carbon, 1995, 33, 1147-1154.	10.3	11
252	Total oxidation of naphthalene at low temperatures using palladium nanoparticles supported on inorganic oxide-coated cordierite honeycomb monoliths. Catalysis Science and Technology, 2013, 3, 2708.	4.1	11

#	Article	IF	Citations
253	Development of exfoliated layered stannosilicate for hydrogen adsorption. International Journal of Hydrogen Energy, 2014, 39, 13180-13188.	7.1	11
254	A new zeolitic hydroxymethylimidazolate material and its use in mixed matrix membranes based on 6FDA-DAM for gas separation. Journal of Membrane Science, 2017, 544, 88-97.	8.2	11
255	P-functionalized carbon nanotubes promote highly stable electrocatalysts based on Fe-phthalocyanines for oxygen reduction: Experimental and computational studies. Journal of Energy Chemistry, 2022, 72, 276-290.	12.9	11
256	New insights on the direct activation of isotropic petroleum pitch by alkaline hydroxides. Fuel Processing Technology, 2010, 91, 145-149.	7.2	10
257	Multilayer graphene functionalized through thermal 1,3-dipolar cycloadditions with imino esters: a versatile platform for supported ligands in catalysis. Chemical Communications, 2019, 55, 7462-7465.	4.1	10
258	Fabrication of Co/P25 coated with thin nitrogen-doped carbon shells (Co/P25/NC) as an efficient electrocatalyst for oxygen reduction reaction (ORR). Electrochimica Acta, 2019, 296, 867-873.	5.2	10
259	Development of mesoporous materials from biomass ash with future applications as adsorbent materials. Microporous and Mesoporous Materials, 2020, 299, 110085.	4.4	10
260	Hydrolytic Dehydrogenation of Ammonia Borane Attained by Ru-Based Catalysts: An Auspicious Option to Produce Hydrogen from a Solid Hydrogen Carrier Molecule. Energies, 2021, 14, 2199.	3.1	10
261	Preparation of mesoporous Î³-Al2O3 with high surface area from an AlOOH extract of recycling biomass ash. Journal of Environmental Chemical Engineering, 2021, 9, 105925.	6.7	10
262	In situ methods used to characterize calcium as a catalyst of carbon gasification reactions. Catalysis Today, 1991, 9, 219-226.	4.4	9
263	Microbeam small angle X-ray scattering (Î¼SAXS): a novel technique for the characterization of activated carbon fibers.. Studies in Surface Science and Catalysis, 2002, 144, 51-58.	1.5	9
264	Stabilisation of low softening point petroleum pitch fibres by iodine treatment. Fuel Processing Technology, 2007, 88, 265-272.	7.2	9
265	Ordered mesoporous titanium oxide for thin film microbatteries with enhanced lithium storage. Electrochimica Acta, 2015, 166, 293-301.	5.2	9
266	Synthesis of Phosphorus-Containing Polyanilines by Electrochemical Copolymerization. Polymers, 2020, 12, 1029.	4.5	9
267	Copper ferrite nanospheres composites mixed with carbon black to boost the oxygen reduction reaction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 613, 126060.	4.7	9
268	Formic acid dehydrogenation attained by Pd nanoparticles-based catalysts supported on MWCNT-C3N4 composites. Catalysis Today, 2022, 397-399, 428-435.	4.4	9
269	Characterization of activated carbon fibers by Positron Annihilation Lifetime Spectroscopy (PALS). Studies in Surface Science and Catalysis, 2000, 128, 523-532.	1.5	8
270	Zeolite A/carbon membranes for H2 purification from a simulated gas reformer mixture. Journal of Membrane Science, 2011, 378, 407-414.	8.2	8

#	Article	IF	Citations
271	Advances in Hydrogen Storage in Carbon Materials. , 2013, , 269-291.		8
272	Pd and Cu-Pd nanoparticles supported on multiwall carbon nanotubes for H 2 detection. Materials Research Bulletin, 2017, 93, 102-111.	5.2	8
273	Photo-microfluidic chip reactors for propene complete oxidation with TiO2 photocalyst using UV-LED light. Journal of Environmental Chemical Engineering, 2019, 7, 103408.	6.7	8
274	MWCNT-Supported PVP-Capped Pd Nanoparticles as Efficient Catalysts for the Dehydrogenation of Formic Acid. Frontiers in Chemistry, 2020, 8, 359.	3.6	8
275	Pyrroloquinoline quinone-dependent glucose dehydrogenase bioelectrodes based on one-step electrochemical entrapment over single-wall carbon nanotubes. Talanta, 2021, 232, 122386.	5.5	8
276	Selective synthesis of zeolite briquettes from conformed ashes. Journal of Chemical Technology and Biotechnology, 2002, 77, 287-291.	3.2	7
277	Carbon-supported PtSn Catalysts: Characterization and Catalytic Properties. Journal of the Japan Petroleum Institute, 2004, 47, 164-178.	0.6	7
278	Synthesis and Permeation Properties of Silicalite-1/Carbon Membranes. Industrial & Engineering Chemistry Research, 2007, 46, 3997-4006.	3.7	7
279	MCM-41 Porosity: Are Surface Corrugations Micropores?. Adsorption Science and Technology, 2011, 29, 443-455.	3.2	7
280	Relevance of porosity and surface chemistry of superactivated carbons in capacitors. Tanso, 2013, 2013, 41-47.	0.1	7
281	Ferrosilicate-Based Heterogeneous Fenton Catalysts: Influence of Crystallinity, Porosity, and Iron Speciation. Catalysis Letters, 2018, 148, 3134-3146.	2.6	7
282	Multiâ€wall carbon nanotubes electrochemically modified with phosphorus and nitrogen functionalities as a basis for bioelectrodes with improved performance. Electrochimica Acta, 2021, 387, 138530.	5.2	7
283	Exploring CuxO-doped TiO2 modified with carbon nanotubes for CO2 photoreduction in a 2D-flow reactor. Journal of CO2 Utilization, 2021, 54, 101796.	6.8	7
284	Efficient production of hydrogen from a valuable CO2-derived molecule: Formic acid dehydrogenation boosted by biomass waste-derived catalysts. Fuel, 2022, 320, 123900.	6.4	7
285	Easy enrichment of graphitic nitrogen to prepare highly catalytic carbons for oxygen reduction reaction. Carbon, 2022, , .	10.3	7
286	Activated Carbon Fibers. , 2013, , 155-169.		6
287	Grand Challenges in Carbon-Based Materials Research. Frontiers in Materials, 2014, 1, .	2.4	6
288	Are the Accompanying Cations of Doping Anions Influential in Conducting Organic Polymers? The Case of the Popular PEDOT. Chemistry - A European Journal, 2019, 25, 14308-14319.	3.3	6

#	Article	IF	Citations
289	Novelty without nobility: Outstanding Ni/Ti-SiO2 catalysts for propylene epoxidation. Journal of Catalysis, 2020, 386, 94-105.	6.2	6
290	Preparation of Pt/CNT Thin-Film Electrodes by Electrochemical Potential Pulse Deposition for Methanol Oxidation. Journal of Carbon Research, 2021, 7, 32.	2.7	6
291	Efficient Production of Multi-Layer Graphene from Graphite Flakes in Water by Lipase-Graphene Sheets Conjugation. Nanomaterials, 2019, 9, 1344.	4.1	5
292	Electrochemical performance of Nâ€doped superporous activated carbons in ionic liquidâ€based electrolytes. Electrochimica Acta, 2021, 368, 137590.	5.2	5
293	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
294	Preparation of homogeneous CNT coatings in insulating capillary tubes by an innovative electrochemically-assisted method. Carbon, 2014, 67, 564-571.	10.3	4
295	Switchable Surfactant-Assisted Carbon Nanotube Coatings: Innovation through pH Shift. Frontiers in Materials, 2015, 2, .	2.4	4
296	Study of MWCNT Dispersion Effect in TiO2-MWCNT Composites for Gas-Phase Propene Photooxidation. Materials Research Bulletin, 2021, 134, 111089.	5.2	4
297	An Approach to the Mechanism of the CO2-Carbon Gasification Reaction Catalyzed by Calcium. , 1991, , 409-434.		4
298	On the mechanism of electrochemical functionalization of carbon nanotubes with different structures with aminophenylphosphonic acid isomers: an experimental and computational approach. Journal of Materials Chemistry A, 2022, 10, 7271-7290.	10.3	4
299	Nitrogen Doped Superactivated Carbons Prepared at Mild Conditions as Electrodes for Supercapacitors in Organic Electrolyte. Journal of Carbon Research, 2020, 6, 56.	2.7	3
300	Rational Design of Single Atomic Co in CoN x Moieties on Graphene Matrix as an Ultraâ€Highly Efficient Active Site for Oxygen Reduction Reaction. ChemNanoMat, 2020, 6, 218-222.	2.8	3
301	Controlled synthesis of mono- and bimetallic Pt-based catalysts for electrochemical ethanol oxidation. Materials Chemistry and Physics, 2022, 275, 125282.	4.0	3
302	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
303	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
304	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. Materials Today Chemistry, 2021, 20, 100410.	3.5	2
305	Electrocatalytic activity of calcined manganese ferrite solid nanospheres in the oxygen reduction reaction. Environmental Research, 2022, 204, 112126.	7.5	2
306	Controlling Porosity to Improve Activated Carbon Applications. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 97-106.	0.2	2

#	Article	IF	Citations
307	Removal of heavy metal ions by adsorption onto activated carbon prepared from Stipa tenacissima leaves. , 0, 64, 179-188.		2
308	H2 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. Materials, 2021, 14, 6506.	2.9	2
309	Electrochemical functionalization at anodic conditions of multi-walled carbon nanotubes with chlorodiphenylphosphine. Journal of Colloid and Interface Science, 2022, 623, 915-926.	9.4	2
310	Synthesis of Activated Carbon Fibers for High-Pressure Hydrogen Storage. Ceramic Transactions, 2008, , 69-75.	0.1	1
311	Carbon for Energy Storage and Environment Protection 2009 Special Issue. Energy & Fuels, 2010, 24, 3301-3301.	5.1	1
312	Electroadsorption of Bromide from Natural Water in Granular Activated Carbon. Water (Switzerland), 2021, 13, 598.	2.7	1
313	Electrocatalysis with metal-free carbon-based catalysts. , 2022, , 213-244.		1
314	Gas-Adsorbing Nanoporous Carbons. , 2016, , 465-486.		0
315	Keys and New Trends of Iron-Based Catalysts in Selective Oxidation of Propylene in Gas Phase. Catalytic Science Series, 2021, , 35-56.	0.0	0
316	Pd-Core-Based Coreâ€“Shell Nanoparticles for Catalytic and Electrocatalytic Applications. Nanostructure Science and Technology, 2021, , 343-364.	0.1	0
317	Electrochemical functionalization of carbon nanomaterials and their application in immobilization of enzymes. , 2022, , 67-103.		0