Francisco Carrasco-MarÃ-n

List of Publications by Year
in descending order

199 papers	9,245 citations	47 h-index	88 g-index
		47006	48315
202 all docs	202 docs citations	202 times ranked	9265 citing authors

#	Article	IF	Citations
1	Freshwater production from air dehumidification using novel SiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e378" altimg="si7.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>-based supported material and solar energy: Colombia case study. Energy Reports, 2022, 8, 3115-3126.	5.1	2
2	Adsorption and thermal degradation of Atenolol using carbon materials: Towards an advanced and sustainable drinking water treatment. Journal of Water Process Engineering, 2022, 49, 102987.	5.6	6
3	Optimization of adsorption parameters of activated carbon modified with the oxidizing agent on adsorptive removal of toluene using response surface methodology (RSM). Journal of Dispersion Science and Technology, 2021, 42, 2101-2115.	2.4	2
4	Carbon Microspheres with Tailored Texture and Surface Chemistry As Electrode Materials for Supercapacitors. ACS Sustainable Chemistry and Engineering, 2021, 9, 541-551.	6.7	5
5	From CO2 to Value-Added Products: A Review about Carbon-Based Materials for Electro-Chemical CO2 Conversion. Catalysts, 2021, 11, 351.	3.5	33
6	Monolithic carbon xerogels-metal composites for crude oil removal from oil in-saltwater emulsions and subsequent regeneration through oxidation process: Composites synthesis, adsorption studies, and oil decomposition experiments. Microporous and Mesoporous Materials, 2021, 319, 111039.	4.4	11
7	Evaluation of direct reading photoionization detector performance under various operational parameters. Environmental Health Engineering and Management, 2021, 8, 123-128.	0.7	1
8	Chemical characterization of tequila maturation process and their connection with the physicochemical properties of the cask. Journal of Food Composition and Analysis, 2021, 98, 103804.	3.9	13
9	Development of Bioâ€inspired Composite Materials for the Detection of Traces of Silver Present in Water: Use of Taguchi Methodology to Design Lowâ€cost Carbon Paste Electrodes. Electroanalysis, 2021, 33, 1952-1962.	2.9	1
10	Activated carbon-based coloured titania nanoparticles with high visible radiation absorption and excellent photoactivity in the degradation of emerging drugs of wastewater. Carbon, 2021, 178, 753-766.	10.3	15
11	Insights into the Morphology Effect of Ceria on the Catalytic Performance of NiOâ€“PdO/CeO₂ Nanoparticles for Thermo-oxidation of n-C₇ Asphaltenes under Isothermal Heating at Different Pressures. Energy & Fuels, 2021, 35, 18170-18184.	5.1	12
12	Unveiling the exceptional synergism-induced design of Co-Mg-Al layered triple hydroxides (LTHs) for boosting catalytic activity toward the green synthesis of indol-3-yl derivatives under mild conditions. Journal of Colloid and Interface Science, 2021, 599, 227-244.	9.4	22
13	Development of a monolithic carbon xerogel-metal composite for crude oil removal from oil in-saltwater emulsions: Evaluation of reuse cycles. Microporous and Mesoporous Materials, 2021, 327, 111424.	4.4	6
14	Synthesis of Magnetic Adsorbents Based Carbon Highly Efficient and Stable for Use in the Removal of Pb(II) and Cd(II) in Aqueous Solution. Materials, 2021, 14, 6134.	2.9	2
15	Growing Tungsten Nanophases on Carbon Spheres Doped with Nitrogen. Behaviour as Electro-Catalysts for Oxygen Reduction Reaction. Materials, 2021, 14, 7716.	2.9	2
16	Reduction of NO with new vanadium-carbon xerogel composites. Effect of the oxidation state of vanadium species. Carbon, 2020, 156, 194-204.	10.3	9
17	A microfluidic study to investigate the effect of magnetic iron core-carbon shell nanoparticles on displacement mechanisms of crude oil for chemical enhanced oil recovery. Journal of Petroleum Science and Engineering, 2020, 184, 106589.	4.2	30
18	Adsorption of Diclofenac from Aqueous Solution onto Carbon Xerogels: Effect of Synthesis Conditions and Presence of Bacteria. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	16

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19	Synthesis and characterization of carbon xerogel/graphene hybrids as adsorbents for metronidazole pharmaceutical removal: Effect of operating parameters. Separation and Purification Technology, 2020, 237, 116341.	7.9	29
20	Isotherm, kinetic, and thermodynamic studies for dynamic adsorption of toluene in gas phase onto porous Fe-MIL-101/OAC composite. Environmental Science and Pollution Research, 2020, 27, 44022-44035.	5.3	14
21	ZrO2-TiO2/Carbon core-shell composites as highly efficient solar-driven photo-catalysts: An approach for removal of hazardous water pollutants. Journal of Environmental Chemical Engineering, 2020, 8, 104350.	6.7	5
22	Binary and Ternary 3D Nanobundles Metal Oxides Functionalized Carbon Xerogels as Electrocatalysts toward Oxygen Reduction Reaction. Materials, 2020, 13, 3531.	2.9	10
23	Bacteria Supported on Carbon-Coated Monoliths for Water Denitrification. Journal of Carbon Research, 2020, 6, 77.	2.7	0
24	Glucoseâ€Derived Nâ€Doped Graphitic Carbon: Facile Oneâ€Pot Graphitic Structureâ€Controlled Chemical Synthesis with Comprehensive Insight into the Controlling Mechanisms. ChemistrySelect, 2020, 5, 14685-14702.	1.5	6
25	Nickel Cobaltite Functionalized Silver Doped Carbon Xerogels as Efficient Electrode Materials for High Performance Symmetric Supercapacitor. Materials, 2020, 13, 4906.	2.9	20
26	Toluene adsorption on porous Cuâ€“BDC@OAC composite at various operating conditions: optimization by response surface methodology. RSC Advances, 2020, 10, 35582-35596.	3.6	14
27	Iron precursor salt effect on the generation of OH radicals and sulfamethoxazole degradation through a heterogeneous Fenton process using Carbon-Fe catalysts. Journal of Water Process Engineering, 2020, 36, 101273.	5.6	12
28	Removal of emerging pollutants present in water using an E-coli biofilm supported onto activated carbons prepared from argan wastes: Adsorption studies in batch and fixed bed. Science of the Total Environment, 2020, 720, 137491.	8.0	31
29	Valorization of agricultural wood wastes as electrodes for electrochemical capacitors by chemical activation with H3PO4 and KOH. Wood Science and Technology, 2020, 54, 401-420.	3.2	16
30	Element-Doped Functional Carbon-Based Materials. Materials, 2020, 13, 333.	2.9	8
31	Celluloseâ€“TiO2 composites for the removal of water pollutants. , 2020, , 329-358.		8
32	Functionalized Cellulose for the Controlled Synthesis of Novel Carbonâ€“Ti Nanocomposites: Physicochemical and Photocatalytic Properties. Nanomaterials, 2020, 10, 729.	4.1	33
33	Novel biomaterial design based on Pseudomonas stutzeriâ€“carbon xerogel microspheres for hydrocarbon removal from oil-in-saltwater emulsions: A new proposed treatment of produced water in oilfields. Journal of Water Process Engineering, 2020, 35, 101222.	5.6	12
34	A new platform for facile synthesis of hybrid TiO2 nanostructures by various functionalizations of cellulose to be used in highly-efficient photocatalysis. Materials Letters, 2020, 274, 128016.	2.6	5
35	Biomass-Derived Carbon Molecular Sieves Applied to an Enhanced Carbon Capture and Storage Process (e-CCS) for Flue Gas Streams in Shallow Reservoirs. Nanomaterials, 2020, 10, 980.	4.1	10
36	Aminoâ€functionalized material from a bioâ€template for silver adsorption: process evaluation in batch and fixed bed. Journal of Chemical Technology and Biotechnology, 2019, 94, 590-599.	3.2	10

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37	Influence of Surface Chemistry on the Electrochemical Performance of Biomass-Derived Carbon Electrodes for its Use as Supercapacitors. Materials, 2019, 12, 2458.	2.9	10
38	Mesoporous carbon nanospheres with improved conductivity for electro-catalytic reduction of O2 and CO2. Carbon, 2019, 155, 88-99.	10.3	17
39	Carbon Xerogels Hydrothermally Doped with Bimetal Oxides for Oxygen Reduction Reaction. Materials, 2019, 12, 2446.	2.9	12
40	An Enhanced Carbon Capture and Storage Process (e-CCS) Applied to Shallow Reservoirs Using Nanofluids Based on Nitrogen-Rich Carbon Nanospheres. Materials, 2019, 12, 2088.	2.9	11
41	Simultaneous removal of metronidazole and Pb(II) from aqueous solution onto bifunctional activated carbons. Environmental Science and Pollution Research, 2019, 26, 25916-25931.	5.3	6
42	Heteroatom-doped graphene aerogels and carbon-magnetite catalysts for the heterogeneous electro-Fenton degradation of acetaminophen in aqueous solution. Journal of Catalysis, 2019, 378, 68-79.	6.2	33
43	Importance of the Nanofluid Preparation for Ultra-Low Interfacial Tension in Enhanced Oil Recovery Based on Surfactantâ€“Nanoparticleâ€“Brine System Interaction. ACS Omega, 2019, 4, 16171-16180.	3.5	39
44	Dual-Purpose Materials Based on Carbon Xerogel Microspheres (CXMs) for Delayed Release of Cannabidiol (CBD) and Subsequent Aflatoxin Removal. Molecules, 2019, 24, 3398.	3.8	5
45	Surface functionalization to abate the irreversible capacity of hard carbons derived from grapefruit peels for sodium-ion batteries. Electrochimica Acta, 2019, 326, 134973.	5.2	30
46	Electrochemical detection of copper in water using carbon paste electrodes prepared from bio-template (grapefruit peels) functionalized with carboxyl groups. Journal of Electroanalytical Chemistry, 2019, 837, 22-29.	3.8	22
47	A novel one-pot facile economic approach for the mass synthesis of exfoliated multilayered nitrogen-doped graphene-like nanosheets: new insights into the mechanistic study. Physical Chemistry Chemical Physics, 2019, 21, 13611-13622.	2.8	20
48	From Polyethylene to Highly Graphitic and Magnetic Carbon Spheres Nanocomposites: Carbonization under Pressure. Nanomaterials, 2019, 9, 606.	4.1	6
49	The use of functionalized carbon xerogels in cells growth. Materials Science and Engineering C, 2019, 100, 598-607.	7.3	10
50	Immobilization of P. stutzeri on Activated Carbons for Degradation of Hydrocarbons from Oil-in-Saltwater Emulsions. Nanomaterials, 2019, 9, 500.	4.1	14
51	Effect of Magnetic Iron Coreâ€“Carbon Shell Nanoparticles in Chemical Enhanced Oil Recovery for Ultralow Interfacial Tension Region. Energy & Fuels, 2019, 33, 4158-4168.	5.1	34
52	Towards understanding of heterogeneous Fenton reaction using carbon-Fe catalysts coupled to in-situ H2O2 electro-generation as clean technology for wastewater treatment. Chemosphere, 2019, 224, 698-706.	8.2	46
53	Synthesis of TixOy nanocrystals in mild synthesis conditions for the degradation of pollutants under solar light. Applied Catalysis B: Environmental, 2019, 241, 385-392.	20.2	61
54	Carbon-vanadium composites as non-precious catalysts for electro-reduction of oxygen. Carbon, 2019, 144, 289-300.	10.3	15

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55	Activated carbons from agricultural waste solvothermally doped with sulphur as electrodes for supercapacitors. Chemical Engineering Journal, 2018, 334, 1835-1841.	12.7	84
56	Carbon - iron electro-catalysts for CO2 reduction. The role of the iron particle size. Journal of CO2 Utilization, 2018, 24, 240-249.	6.8	21
57	Resorcinolâ€“formaldehyde carbon xerogel as selective adsorbent of carbon dioxide present on biogas. Adsorption, 2018, 24, 169-177.	3.0	12
58	Carbonâ€“TiO‹sub›2‹/sub› composites as high-performance supercapacitor electrodes: synergistic effect between carbon and metal oxide phases. Journal of Materials Chemistry A, 2018, 6, 633-644.	10.3	99
59	Electrochemical performances of supercapacitors from carbon-ZrO2 composites. Electrochimica Acta, 2018, 259, 803-814.	5.2	41
60	On the Interactions and Synergism between Phases of Carbonâ€“Phosphorusâ€“Titanium Composites Synthetized from Cellulose for the Removal of the Orange-G Dye. Materials, 2018, 11, 1766.	2.9	27
61	Use of carbon paste electrodes as a novel strategy to study adsorption mechanism of silver ions onto functionalized grapefruit peel. Journal of Electroanalytical Chemistry, 2018, 830-831, 20-26.	3.8	7
62	From Carbon Molecular Sieves to VOCs filters: Carbon gels with tailored porosity for hexane isomers adsorption and separation. Microporous and Mesoporous Materials, 2018, 270, 161-167.	4.4	13
63	Development of Vanadiumâ€Coated Carbon Microspheres: Electrochemical Behavior as Electrodes for Supercapacitors. Advanced Functional Materials, 2018, 28, 1802337.	14.9	33
64	Physicochemical properties of new cellulose-TiO2 composites for the removal of water pollutants: Developing specific interactions and performances by cellulose functionalization. Journal of Environmental Chemical Engineering, 2018, 6, 5032-5041.	6.7	52
65	Metal-Carbon-CNF Composites Obtained by Catalytic Pyrolysis of Urban Plastic Residues as Electro-Catalysts for the Reduction of CO2. Catalysts, 2018, 8, 198.	3.5	5
66	Electrodes Based on Carbon Aerogels Partially Graphitized by Doping with Transition Metals for Oxygen Reduction Reaction. Nanomaterials, 2018, 8, 266.	4.1	28
67	Fitting the experimental conditions and characteristics of Pt/C catalyst for the selective hydrogenation of citral. Chemical Engineering Communications, 2018, 205, 1299-1310.	2.6	1
68	Insight of the effect of graphitic cluster in the performance of carbon aerogels doped with nickel as electrodes for supercapacitors. Carbon, 2018, 139, 888-895.	10.3	23
69	Development of Composite Materials Based on the Interaction between Nanoparticles and Surfactants for Application in Chemical Enhanced Oil Recovery. Industrial & Engineering Chemistry Research, 2018, 57, 12367-12377.	3.7	36
70	Activated carbons from KOH and H 3 PO 4 -activation of olive residues and its application as supercapacitor electrodes. Electrochimica Acta, 2017, 229, 219-228.	5.2	221
71	Synthesis and characterization of solid polymer and carbon spheres derived from an emulsion polymerization reaction of different phenolic compounds with formaldehyde. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 520, 488-496.	4.7	11
72	Biogas upgrading by selective adsorption onto CO 2 activated carbon from wood pellets. Journal of Environmental Chemical Engineering, 2017, 5, 1386-1393.	6.7	41

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73	Chars from waste tire rubber by catalytic pyrolysis and the statistical analysis of the adsorption of Fe in potable water. Environmental Progress and Sustainable Energy, 2017, 36, 1794-1801.	2.3	11
74	Development of Carbon-ZrO2 composites with high performance as visible-light photocatalysts. Applied Catalysis B: Environmental, 2017, 217, 540-550.	20.2	44
75	Functionalized adsorbents prepared from fruit peels: Equilibrium, kinetic and thermodynamic studies for copper adsorption in aqueous solution. Journal of Cleaner Production, 2017, 162, 195-204.	9.3	92
76	Optimization Models Type Box-Behnken in the Obtaining of Biodiesel from Waste Frying Oil using a Large-acidity Carbonaceous Catalyst. International Journal of Chemical Reactor Engineering, 2017, 15, .	1.1	11
77	New carbon xerogel-TiO2 composites with high performance as visible-light photocatalysts for dye mineralization. Applied Catalysis B: Environmental, 2017, 201, 29-40.	20.2	92
78	Grapefruit peels as biosorbent: characterization and use in batch and fixed bed column for Cu(II) uptake from wastewater. Journal of Chemical Technology and Biotechnology, 2017, 92, 1650-1658.	3.2	25
79	Symmetric Supercapacitor Electrodes from KOH Activation of Pristine, Carbonized, and Hydrothermally Treated Melia azedarach Stones. Materials, 2017, 10, 747.	2.9	15
80	Cobalt-Doped Carbon Gels as Electro-Catalysts for the Reduction of CO2 to Hydrocarbons. Catalysts, 2017, 7, 25.	3.5	26
81	Adsorption mechanism of Chromium(III) from water solution on bone char: effect of operating conditions. Adsorption, 2016, 22, 297-308.	3.0	49
82	Influence of the Pt-particle size on the performance of carbon supported catalysts used in the hydrogenation of citral. Catalysis Communications, 2016, 82, 36-40.	3.3	13
83	Chemoselective Pt-catalysts supported on carbon-TiO2 composites for the direct hydrogenation of citral to unsaturated alcohols. Journal of Catalysis, 2016, 344, 701-711.	6.2	16
84	Removal of fluoride from aqueous solution using acid and thermally treated bone char. Adsorption, 2016, 22, 951-961.	3.0	39
85	Free metal oxygen-reduction electro-catalysts obtained from biomass residue of the olive oil industry. Chemical Engineering Journal, 2016, 306, 1109-1115.	12.7	30
86	Organic xerogels doped with Tris(2,2â€²-bipyridine) ruthenium(II) as hydroxyl radical promoters: Synthesis, characterization, and photoactivity. Chemical Engineering Journal, 2016, 306, 289-297.	12.7	12
87	Effect of the addition of a second phenol on the textural properties of carbon aerogels. Adsorption, 2016, 22, 81-87.	3.0	1
88	Selective hydrogenation of citral by noble metals supported on carbon xerogels: Catalytic performance and stability. Applied Catalysis A: General, 2016, 512, 63-73.	4.3	22
89	Importance of the Adsorption Method Used for Obtaining the Nanoparticle Dosage for Asphaltene-Related Treatments. Energy & Fuels, 2016, 30, 2052-2059.	5.1	79
90	Controlling interpenetration for tuning porosity and luminescence properties of flexible MOFs based on biphenyl-4,4â€²-dicarboxylic acid. CrystEngComm, 2016, 18, 1282-1294.	2.6	30

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91	Coupling Noble Metals and Carbon Supports in the Development of Combustion Catalysts for the Abatement of BTX Compounds in Air Streams. Catalysts, 2015, 5, 774-799.	3.5	25
92	About the control of VOCâ€™s emissions from blended fuels by developing specific adsorbents using agricultural residues. Journal of Environmental Chemical Engineering, 2015, 3, 2662-2669.	6.7	4
93	Effect on mass transference phenomena by textural change inside monolithic carbon aerogels. Heat and Mass Transfer, 2015, 51, 1141-1148.	2.1	6
94	Fitting the porosity of carbon xerogel by CO2 activation to improve the TMP/n-octane separation. Microporous and Mesoporous Materials, 2015, 209, 10-17.	4.4	17
95	Influence of the pretreatment conditions on the development and performance of active sites of Pt/TiO2 catalysts used for the selective citral hydrogenation. Journal of Catalysis, 2015, 327, 86-95.	6.2	23
96	Effect of dilution ratio and drying method of resorcinolâ€“formaldehyde carbon gels on their electrocapacitive properties in aqueous and non-aqueous electrolytes. Journal of Sol-Gel Science and Technology, 2015, 75, 407-412.	2.4	11
97	Influence of the physicochemical properties of inorganic supports on the activity of immobilized bacteria for water denitrification. Journal of Environmental Management, 2015, 156, 81-88.	7.8	11
98	Mesoporous carbon-xerogels films obtained by microwave assisted carbonization. Materials Letters, 2015, 141, 135-137.	2.6	6
99	Bacteria supported on carbon films for water denitrification. Chemical Engineering Journal, 2015, 259, 424-429.	12.7	17
100	Development of carbon xerogels as alternative Pt-supports for the selective hydrogenation of citral. Catalysis Communications, 2015, 58, 64-69.	3.3	20
101	Tailoring the surface chemistry and porosity of activated carbons: Evidence of reorganization and mobility of oxygenated surface groups. Carbon, 2014, 68, 520-530.	10.3	71
102	Cooperative adsorption of bisphenol-A and chromium(III) ions from water on activated carbons prepared from olive-mill waste. Carbon, 2014, 73, 338-350.	10.3	87
103	Microspheres of carbon xerogel: An alternative Pt-support for the selective hydrogenation of citral. Applied Catalysis A: General, 2014, 482, 318-326.	4.3	27
104	Influence of the Boron Precursor and Drying Method on Surface Properties and Electrochemical Behavior of Boron-Doped Carbon Gels. Langmuir, 2014, 30, 1716-1722.	3.5	17
105	Removal of the surfactant sodium dodecylbenzenesulfonate from water by processes based on adsorption/bioadsorption and biodegradation. Journal of Colloid and Interface Science, 2014, 418, 113-119.	9.4	47
106	Tailoring activated carbons for the development of specific adsorbents of gasoline vapors. Journal of Hazardous Materials, 2013, 263, 533-540.	12.4	28
107	Electrochemical performance of Cu- and Ag-doped carbon aerogels. Materials Chemistry and Physics, 2013, 138, 870-876.	4.0	21
108	Enlarging an Isoreticular Family: 3,3â€²,5,5â€²-Tetramethyl-4,4â€²-bipyrazolato-Based Porous Coordination Polymers. Crystal Growth and Design, 2013, 13, 3087-3097.	3.0	38

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109	Importance of the rheological properties of resorcinolâ€“formaldehyde sols in the preparation of Cu-doped organic and carbon xerogel microspheres. Carbon, 2013, 53, 402-405.	10.3	6
110	Synthesis, surface characteristics, and electrochemical capacitance of Cu-doped carbon xerogel microspheres. Carbon, 2013, 55, 260-268.	10.3	15
111	Carbon Xerogel Microspheres and Monoliths from Resorcinolâ€“Formaldehyde Mixtures with Varying Dilution Ratios: Preparation, Surface Characteristics, and Electrochemical Double-Layer Capacitances. Langmuir, 2013, 29, 6166-6173.	3.5	50
112	Catalysts Supported on Carbon Materials for the Selective Hydrogenation of Citral. Catalysts, 2013, 3, 853-877.	3.5	70
113	Carbon Aerogel-Supported Pt Catalysts for the Hydrogenolysis and Isomerization of n-Butane: Influence of the Carbonization Temperature of the Support and Pt Particle Size. Catalysts, 2012, 2, 422-433.	3.5	4
114	Preparation, surface characteristics, and electrochemical double-layer capacitance of KOH-activated carbon aerogels and their O- and N-doped derivatives. Journal of Power Sources, 2012, 219, 80-88.	7.8	68
115	Electrochemical performance of carbon gels with variable surface chemistry and physics. Carbon, 2012, 50, 3324-3332.	10.3	48
116	On the micro- and mesoporosity of carbon aerogels and xerogels. The role of the drying conditions during the synthesis processes. Chemical Engineering Journal, 2012, 181-182, 851-855.	12.7	52
117	Preparation of carbon aerogel supported platinum catalysts for the selective hydrogenation of cinnamaldehyde. Applied Catalysis A: General, 2012, 425-426, 161-169.	4.3	36
118	Water sorption on silica- and zeolite-supported hygroscopic salts for cooling system applications. Energy Conversion and Management, 2012, 53, 219-223.	9.2	64
119	Activated carbons from KOH-activation of argan (Argania spinosa) seed shells as supercapacitor electrodes. Bioresource Technology, 2012, 111, 185-190.	9.6	368
120	Structural characterization of carbon xerogels: From film to monolith. Microporous and Mesoporous Materials, 2012, 153, 24-29.	4.4	30
121	Activated carbon cloth as adsorbent and oxidation catalyst forÂtheÂremoval of amitrole from aqueous solution. Adsorption, 2011, 17, 413-419.	3.0	18
122	Surface characteristics and electrochemical capacitances of carbon aerogels obtained from resorcinol and pyrocatechol using boric and oxalic acids as polymerization catalysts. Carbon, 2011, 49, 3808-3819.	10.3	61
123	Pt-catalysts supported on activated carbons for catalytic wet air oxidation of aniline: Activity and stability. Applied Catalysis B: Environmental, 2011, 105, 86-94.	20.2	37
124	Heterogeneous and homogeneous Fenton processes using activated carbon for the removal of the herbicide amitrole from water. Applied Catalysis B: Environmental, 2011, 101, 425-430.	20.2	60
125	Design of low-temperature Pt-carbon combustion catalysts for VOC's treatments. Journal of Hazardous Materials, 2010, 183, 814-822.	12.4	75
126	Water adsorption on zeolite 13X: comparison of the two methods based on mass spectrometry and thermogravimetry. Adsorption, 2010, 16, 141-146.	3.0	47

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127	Wet air oxidation of trinitrophenol with activated carbon catalysts: Effect of textural properties on the mechanism of degradation. Applied Catalysis B: Environmental, 2010, 100, 310-317.	20.2	29
128	Textural and mechanical characteristics of carbon aerogels synthesized by polymerization of resorcinol and formaldehyde using alkali carbonates as basification agents. Physical Chemistry Chemical Physics, 2010, 12, 10365.	2.8	46
129	Palladium and platinum catalysts supported on carbon nanofiber coated monoliths for low-temperature combustion of BTX. Applied Catalysis B: Environmental, 2009, 89, 411-419.	20.2	66
130	Carbon aerogels from gallic acidâ€“resorcinol mixtures as adsorbents of benzene, toluene and xylenes from dry and wet air under dynamic conditions. Carbon, 2009, 47, 463-469.	10.3	46
131	Influence of support porosity and Pt content of Pt/carbon aerogel catalysts on metal dispersion and formation of self-assembled Ptâ€“carbon hybrid nanostructures. Carbon, 2009, 47, 2679-2687.	10.3	28
132	Carbon-based monoliths for the catalytic elimination of benzene, toluene and m-xylene. Applied Catalysis A: General, 2009, 366, 282-287.	4.3	14
133	Surface Chemistry, Porous Texture, and Morphology of N-Doped Carbon Xerogels. Langmuir, 2009, 25, 466-470.	3.5	93
134	Carbon-based monolithic supports for palladium catalysts: The role of the porosity in the gas-phase total combustion of m-xylene. Applied Catalysis B: Environmental, 2008, 77, 272-277.	20.2	35
135	Inter- and Intra-Primary-Particle Structure of Monolithic Carbon Aerogels Obtained with Varying Solvents. Langmuir, 2008, 24, 2820-2825.	3.5	25
136	Development of Carbon Coatings for Cordierite Foams:â€‰ An Alternative to Cordierite Honeycombs. Langmuir, 2008, 24, 3267-3273.	3.5	18
137	Adsorption of Benzene, Toluene, and Xylenes on Monolithic Carbon Aerogels from Dry Air Flows. Langmuir, 2007, 23, 10095-10101.	3.5	74
138	Methanol partial oxidation on carbon-supported Pt and Pd catalysts. Catalysis Today, 2007, 123, 158-163.	4.4	36
139	Reversible toluene adsorption on monolithic carbon aerogels. Journal of Hazardous Materials, 2007, 148, 548-552.	12.4	76
140	Surface Area and Microporosity of Carbon Aerogels from Gas Adsorption and Small- and Wide-Angle X-ray Scattering Measurements. Journal of Physical Chemistry B, 2006, 110, 8681-8688.	2.6	53
141	Porosity and surface area of monolithic carbon aerogels prepared using alkaline carbonates and organic acids as polymerization catalysts. Carbon, 2006, 44, 2301-2307.	10.3	96
142	Pd and Pt catalysts supported on carbon-coated monoliths for low-temperature combustion of xylenes. Carbon, 2006, 44, 2463-2468.	10.3	48
143	Granular and monolithic activated carbons from KOH-activation of olive stones. Microporous and Mesoporous Materials, 2006, 92, 64-70.	4.4	126
144	Nanoporous carbon materials: Comparison between information obtained by SAXS and WAXS and by gas adsorption. Carbon, 2005, 43, 3009-3012.	10.3	18

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145	Ligand Adsorption on an Activated Carbon for the Removal of Chromate Ions from Aqueous Solutions. Langmuir, 2005, 21, 6908-6914.	3.5	43
146	Carbon-supported Pt as catalysts for low-temperature methanol decomposition to carbon monoxide and hydrogen. Applied Catalysis A: General, 2004, 275, 119-126.	4.3	27
147	Activated Carbon and Tungsten Oxide Supported on Activated Carbon Catalysts for Toluene Catalytic Combustion. Environmental Science & Technology, 2004, 38, 4664-4670.	10.0	65
148	Influence of carbonâ€“oxygen surface complexes on the surface acidity of tungsten oxide catalysts supported on activated carbons. Carbon, 2003, 41, 1157-1167.	10.3	43
149	Skeletal isomerization of 1-butene on tungsten oxide catalysts supported on activated carbons with various surface oxygen contents. Carbon, 2003, 41, 863-866.	10.3	7
150	Application of ammonia intermittent temperature-programmed desorption to evaluate surface acidity of tungsten oxide supported on activated carbon. Journal of Colloid and Interface Science, 2003, 260, 449-453.	9.4	9
151	Adsorption of 1,3,6-Naphthalenetrisulfonic Acid on Activated Carbon in the Presence of Cd(II), Cr(III), and Hg(II). Importance of Electrostatic Interactions. Langmuir, 2003, 19, 10857-10861.	3.5	23
152	Surface Characteristics of Titania/Carbon Composite Aerogels. Langmuir, 2002, 18, 2295-2299.	3.5	64
153	Experimental Design To Optimize Preparation of Activated Carbons for Use in Water Treatment. Environmental Science & Technology, 2002, 36, 3844-3849.	10.0	66
154	Tungsten and Tungsten Carbide Supported on Activated Carbon:â€‰ Surface Structures and Performance for Ethylene Hydrogenation. Langmuir, 2001, 17, 1752-1756.	3.5	59
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