

Francisco Carrasco-MarÃ-n

List of Publications by Year in descending order

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199
papers

9,245
citations

46984

47
h-index

48277

88
g-index

202
all docs

202
docs citations

202
times ranked

9265
citing authors

#	ARTICLE	IF	CITATIONS
1	Freshwater production from air dehumidification using novel SiO ₂ -based supported material and solar energy: Colombia case study. <i>Energy Reports</i> , 2022, 8, 3115-3126.	2.5	2
2	Adsorption and thermal degradation of Atenolol using carbon materials: Towards an advanced and sustainable drinking water treatment. <i>Journal of Water Process Engineering</i> , 2022, 49, 102987.	2.6	6
3	Optimization of adsorption parameters of activated carbon modified with the oxidizing agent on adsorptive removal of toluene using response surface methodology (RSM). <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 2101-2115.	1.3	2
4	Carbon Microspheres with Tailored Texture and Surface Chemistry As Electrode Materials for Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 541-551.	3.2	5
5	From CO ₂ to Value-Added Products: A Review about Carbon-Based Materials for Electro-Chemical CO ₂ Conversion. <i>Catalysts</i> , 2021, 11, 351.	1.6	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. <i>Microporous and Mesoporous Materials</i> , 2021, 319, 111039.	2.2	11
7	Evaluation of direct reading photoionization detector performance under various operational parameters. <i>Environmental Health Engineering and Management</i> , 2021, 8, 123-128.	0.3	1
8	Chemical characterization of tequila maturation process and their connection with the physicochemical properties of the cask. <i>Journal of Food Composition and Analysis</i> , 2021, 98, 103804.	1.9	13
9	Development of Bio-inspired Composite Materials for the Detection of Traces of Silver Present in Water: Use of Taguchi Methodology to Design Low-cost Carbon Paste Electrodes. <i>Electroanalysis</i> , 2021, 33, 1952-1962.	1.5	1
10	Activated carbon-based coloured titania nanoparticles with high visible radiation absorption and excellent photoactivity in the degradation of emerging drugs of wastewater. <i>Carbon</i> , 2021, 178, 753-766.	5.4	15
11	Insights into the Morphology Effect of Ceria on the Catalytic Performance of NiO-PdO/CeO ₂ Nanoparticles for Thermo-oxidation of n-C ₇ Asphaltenes under Isothermal Heating at Different Pressures. <i>Energy & Fuels</i> , 2021, 35, 18170-18184.	2.5	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. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 227-244.	5.0	22
13	Development of a monolithic carbon xerogel-metal composite for crude oil removal from oil in-saltwater emulsions: Evaluation of reuse cycles. <i>Microporous and Mesoporous Materials</i> , 2021, 327, 111424.	2.2	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. <i>Materials</i> , 2021, 14, 6134.	1.3	2
15	Growing Tungsten Nanophases on Carbon Spheres Doped with Nitrogen. Behaviour as Electro-Catalysts for Oxygen Reduction Reaction. <i>Materials</i> , 2021, 14, 7716.	1.3	2
16	Reduction of NO with new vanadium-carbon xerogel composites. Effect of the oxidation state of vanadium species. <i>Carbon</i> , 2020, 156, 194-204.	5.4	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. <i>Journal of Petroleum Science and Engineering</i> , 2020, 184, 106589.	2.1	30
18	Adsorption of Diclofenac from Aqueous Solution onto Carbon Xerogels: Effect of Synthesis Conditions and Presence of Bacteria. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	16

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19	Synthesis and characterization of carbon xerogel/graphene hybrids as adsorbents for metronidazole pharmaceutical removal: Effect of operating parameters. <i>Separation and Purification Technology</i> , 2020, 237, 116341.	3.9	29
20	Isotherm, kinetic, and thermodynamic studies for dynamic adsorption of toluene in gas phase onto porous Fe-MIL-101/OAC composite. <i>Environmental Science and Pollution Research</i> , 2020, 27, 44022-44035.	2.7	14
21	ZrO ₂ -TiO ₂ /Carbon core-shell composites as highly efficient solar-driven photo-catalysts: An approach for removal of hazardous water pollutants. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104350.	3.3	5
22	Binary and Ternary 3D Nanobundles Metal Oxides Functionalized Carbon Xerogels as Electrocatalysts toward Oxygen Reduction Reaction. <i>Materials</i> , 2020, 13, 3531.	1.3	10
23	Bacteria Supported on Carbon-Coated Monoliths for Water Denitrification. <i>Journal of Carbon Research</i> , 2020, 6, 77.	1.4	0
24	Glucose-Derived N-Doped Graphitic Carbon: Facile One-Pot Graphitic Structure-Controlled Chemical Synthesis with Comprehensive Insight into the Controlling Mechanisms. <i>ChemistrySelect</i> , 2020, 5, 14685-14702.	0.7	6
25	Nickel Cobaltite Functionalized Silver Doped Carbon Xerogels as Efficient Electrode Materials for High Performance Symmetric Supercapacitor. <i>Materials</i> , 2020, 13, 4906.	1.3	20
26	Toluene adsorption on porous Cu-BDC@OAC composite at various operating conditions: optimization by response surface methodology. <i>RSC Advances</i> , 2020, 10, 35582-35596.	1.7	14
27	Iron precursor salt effect on the generation of OH radicals and sulfamethoxazole degradation through a heterogeneous Fenton process using Carbon-Fe catalysts. <i>Journal of Water Process Engineering</i> , 2020, 36, 101273.	2.6	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. <i>Science of the Total Environment</i> , 2020, 720, 137491.	3.9	31
29	Valorization of agricultural wood wastes as electrodes for electrochemical capacitors by chemical activation with H ₃ PO ₄ and KOH. <i>Wood Science and Technology</i> , 2020, 54, 401-420.	1.4	16
30	Element-Doped Functional Carbon-Based Materials. <i>Materials</i> , 2020, 13, 333.	1.3	8
31	Cellulose-TiO ₂ composites for the removal of water pollutants. , 2020, , 329-358.		8
32	Functionalized Cellulose for the Controlled Synthesis of Novel Carbon-Ti Nanocomposites: Physicochemical and Photocatalytic Properties. <i>Nanomaterials</i> , 2020, 10, 729.	1.9	33
33	Novel biomaterial design based on <i>Pseudomonas stutzeri</i> -carbon xerogel microspheres for hydrocarbon removal from oil-in-saltwater emulsions: A new proposed treatment of produced water in oilfields. <i>Journal of Water Process Engineering</i> , 2020, 35, 101222.	2.6	12
34	A new platform for facile synthesis of hybrid TiO ₂ nanostructures by various functionalizations of cellulose to be used in highly-efficient photocatalysis. <i>Materials Letters</i> , 2020, 274, 128016.	1.3	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. <i>Nanomaterials</i> , 2020, 10, 980.	1.9	10
36	Amino-functionalized material from a bio-template for silver adsorption: process evaluation in batch and fixed bed. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 590-599.	1.6	10

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37	Influence of Surface Chemistry on the Electrochemical Performance of Biomass-Derived Carbon Electrodes for its Use as Supercapacitors. <i>Materials</i> , 2019, 12, 2458.	1.3	10
38	Mesoporous carbon nanospheres with improved conductivity for electro-catalytic reduction of O ₂ and CO ₂ . <i>Carbon</i> , 2019, 155, 88-99.	5.4	17
39	Carbon Xerogels Hydrothermally Doped with Bimetal Oxides for Oxygen Reduction Reaction. <i>Materials</i> , 2019, 12, 2446.	1.3	12
40	An Enhanced Carbon Capture and Storage Process (e-CCS) Applied to Shallow Reservoirs Using Nanofluids Based on Nitrogen-Rich Carbon Nanospheres. <i>Materials</i> , 2019, 12, 2088.	1.3	11
41	Simultaneous removal of metronidazole and Pb(II) from aqueous solution onto bifunctional activated carbons. <i>Environmental Science and Pollution Research</i> , 2019, 26, 25916-25931.	2.7	6
42	Heteroatom-doped graphene aerogels and carbon-magnetite catalysts for the heterogeneous electro-Fenton degradation of acetaminophen in aqueous solution. <i>Journal of Catalysis</i> , 2019, 378, 68-79.	3.1	33
43	Importance of the Nanofluid Preparation for Ultra-Low Interfacial Tension in Enhanced Oil Recovery Based on Surfactant-“Nanoparticle”-Brine System Interaction. <i>ACS Omega</i> , 2019, 4, 16171-16180.	1.6	39
44	Dual-Purpose Materials Based on Carbon Xerogel Microspheres (CXMs) for Delayed Release of Cannabidiol (CBD) and Subsequent Aflatoxin Removal. <i>Molecules</i> , 2019, 24, 3398.	1.7	5
45	Surface functionalization to abate the irreversible capacity of hard carbons derived from grapefruit peels for sodium-ion batteries. <i>Electrochimica Acta</i> , 2019, 326, 134973.	2.6	30
46	Electrochemical detection of copper in water using carbon paste electrodes prepared from bio-template (grapefruit peels) functionalized with carboxyl groups. <i>Journal of Electroanalytical Chemistry</i> , 2019, 837, 22-29.	1.9	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. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 13611-13622.	1.3	20
48	From Polyethylene to Highly Graphitic and Magnetic Carbon Spheres Nanocomposites: Carbonization under Pressure. <i>Nanomaterials</i> , 2019, 9, 606.	1.9	6
49	The use of functionalized carbon xerogels in cells growth. <i>Materials Science and Engineering C</i> , 2019, 100, 598-607.	3.8	10
50	Immobilization of <i>P. stutzeri</i> on Activated Carbons for Degradation of Hydrocarbons from Oil-in-Saltwater Emulsions. <i>Nanomaterials</i> , 2019, 9, 500.	1.9	14
51	Effect of Magnetic Iron Core-“Carbon Shell Nanoparticles in Chemical Enhanced Oil Recovery for Ultralow Interfacial Tension Region. <i>Energy & Fuels</i> , 2019, 33, 4158-4168.	2.5	34
52	Towards understanding of heterogeneous Fenton reaction using carbon-Fe catalysts coupled to in-situ H ₂ O ₂ electro-generation as clean technology for wastewater treatment. <i>Chemosphere</i> , 2019, 224, 698-706.	4.2	46
53	Synthesis of Ti _x O _y nanocrystals in mild synthesis conditions for the degradation of pollutants under solar light. <i>Applied Catalysis B: Environmental</i> , 2019, 241, 385-392.	10.8	61
54	Carbon-vanadium composites as non-precious catalysts for electro-reduction of oxygen. <i>Carbon</i> , 2019, 144, 289-300.	5.4	15

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55	Activated carbons from agricultural waste solvothermally doped with sulphur as electrodes for supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 334, 1835-1841.	6.6	84
56	Carbon - iron electro-catalysts for CO ₂ reduction. The role of the iron particle size. <i>Journal of CO₂ Utilization</i> , 2018, 24, 240-249.	3.3	21
57	Resorcinol-formaldehyde carbon xerogel as selective adsorbent of carbon dioxide present on biogas. <i>Adsorption</i> , 2018, 24, 169-177.	1.4	12
58	Carbon-TiO ₂ composites as high-performance supercapacitor electrodes: synergistic effect between carbon and metal oxide phases. <i>Journal of Materials Chemistry A</i> , 2018, 6, 633-644.	5.2	99
59	Electrochemical performances of supercapacitors from carbon-ZrO ₂ composites. <i>Electrochimica Acta</i> , 2018, 259, 803-814.	2.6	41
60	On the Interactions and Synergism between Phases of Carbon-Phosphorus-Titanium Composites Synthesized from Cellulose for the Removal of the Orange-G Dye. <i>Materials</i> , 2018, 11, 1766.	1.3	27
61	Use of carbon paste electrodes as a novel strategy to study adsorption mechanism of silver ions onto functionalized grapefruit peel. <i>Journal of Electroanalytical Chemistry</i> , 2018, 830-831, 20-26.	1.9	7
62	From Carbon Molecular Sieves to VOCs filters: Carbon gels with tailored porosity for hexane isomers adsorption and separation. <i>Microporous and Mesoporous Materials</i> , 2018, 270, 161-167.	2.2	13
63	Development of Vanadium-Coated Carbon Microspheres: Electrochemical Behavior as Electrodes for Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1802337.	7.8	33
64	Physicochemical properties of new cellulose-TiO ₂ composites for the removal of water pollutants: Developing specific interactions and performances by cellulose functionalization. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5032-5041.	3.3	52
65	Metal-Carbon-CNF Composites Obtained by Catalytic Pyrolysis of Urban Plastic Residues as Electro-Catalysts for the Reduction of CO ₂ . <i>Catalysts</i> , 2018, 8, 198.	1.6	5
66	Electrodes Based on Carbon Aerogels Partially Graphitized by Doping with Transition Metals for Oxygen Reduction Reaction. <i>Nanomaterials</i> , 2018, 8, 266.	1.9	28
67	Fitting the experimental conditions and characteristics of Pt/C catalyst for the selective hydrogenation of citral. <i>Chemical Engineering Communications</i> , 2018, 205, 1299-1310.	1.5	1
68	Insight of the effect of graphitic cluster in the performance of carbon aerogels doped with nickel as electrodes for supercapacitors. <i>Carbon</i> , 2018, 139, 888-895.	5.4	23
69	Development of Composite Materials Based on the Interaction between Nanoparticles and Surfactants for Application in Chemical Enhanced Oil Recovery. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 12367-12377.	1.8	36
70	Activated carbons from KOH and H ₃ PO ₄ -activation of olive residues and its application as supercapacitor electrodes. <i>Electrochimica Acta</i> , 2017, 229, 219-228.	2.6	221
71	Synthesis and characterization of solid polymer and carbon spheres derived from an emulsion polymerization reaction of different phenolic compounds with formaldehyde. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 520, 488-496.	2.3	11
72	Biogas upgrading by selective adsorption onto CO ₂ activated carbon from wood pellets. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1386-1393.	3.3	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. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1794-1801.	1.3	11
74	Development of Carbon-ZrO ₂ composites with high performance as visible-light photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 540-550.	10.8	44
75	Functionalized adsorbents prepared from fruit peels: Equilibrium, kinetic and thermodynamic studies for copper adsorption in aqueous solution. <i>Journal of Cleaner Production</i> , 2017, 162, 195-204.	4.6	92
76	Optimization Models Type Box-Behnken in the Obtaining of Biodiesel from Waste Frying Oil using a Large-acidity Carbonaceous Catalyst. <i>International Journal of Chemical Reactor Engineering</i> , 2017, 15, .	0.6	11
77	New carbon xerogel-TiO ₂ composites with high performance as visible-light photocatalysts for dye mineralization. <i>Applied Catalysis B: Environmental</i> , 2017, 201, 29-40.	10.8	92
78	Grapefruit peels as biosorbent: characterization and use in batch and fixed bed column for Cu(II) uptake from wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1650-1658.	1.6	25
79	Symmetric Supercapacitor Electrodes from KOH Activation of Pristine, Carbonized, and Hydrothermally Treated Melia azedarach Stones. <i>Materials</i> , 2017, 10, 747.	1.3	15
80	Cobalt-Doped Carbon Gels as Electro-Catalysts for the Reduction of CO ₂ to Hydrocarbons. <i>Catalysts</i> , 2017, 7, 25.	1.6	26
81	Adsorption mechanism of Chromium(III) from water solution on bone char: effect of operating conditions. <i>Adsorption</i> , 2016, 22, 297-308.	1.4	49
82	Influence of the Pt-particle size on the performance of carbon supported catalysts used in the hydrogenation of citral. <i>Catalysis Communications</i> , 2016, 82, 36-40.	1.6	13
83	Chemoselective Pt-catalysts supported on carbon-TiO ₂ composites for the direct hydrogenation of citral to unsaturated alcohols. <i>Journal of Catalysis</i> , 2016, 344, 701-711.	3.1	16
84	Removal of fluoride from aqueous solution using acid and thermally treated bone char. <i>Adsorption</i> , 2016, 22, 951-961.	1.4	39
85	Free metal oxygen-reduction electro-catalysts obtained from biomass residue of the olive oil industry. <i>Chemical Engineering Journal</i> , 2016, 306, 1109-1115.	6.6	30
86	Organic xerogels doped with Tris(2,2'-bipyridine) ruthenium(II) as hydroxyl radical promoters: Synthesis, characterization, and photoactivity. <i>Chemical Engineering Journal</i> , 2016, 306, 289-297.	6.6	12
87	Effect of the addition of a second phenol on the textural properties of carbon aerogels. <i>Adsorption</i> , 2016, 22, 81-87.	1.4	1
88	Selective hydrogenation of citral by noble metals supported on carbon xerogels: Catalytic performance and stability. <i>Applied Catalysis A: General</i> , 2016, 512, 63-73.	2.2	22
89	Importance of the Adsorption Method Used for Obtaining the Nanoparticle Dosage for Asphaltene-Related Treatments. <i>Energy & Fuels</i> , 2016, 30, 2052-2059.	2.5	79
90	Controlling interpenetration for tuning porosity and luminescence properties of flexible MOFs based on biphenyl-4,4'-dicarboxylic acid. <i>CrystEngComm</i> , 2016, 18, 1282-1294.	1.3	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. <i>Catalysts</i> , 2015, 5, 774-799.	1.6	25
92	About the control of VOCs emissions from blended fuels by developing specific adsorbents using agricultural residues. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 2662-2669.	3.3	4
93	Effect on mass transference phenomena by textural change inside monolithic carbon aerogels. <i>Heat and Mass Transfer</i> , 2015, 51, 1141-1148.	1.2	6
94	Fitting the porosity of carbon xerogel by CO ₂ activation to improve the TMP/n-octane separation. <i>Microporous and Mesoporous Materials</i> , 2015, 209, 10-17.	2.2	17
95	Influence of the pretreatment conditions on the development and performance of active sites of Pt/TiO ₂ catalysts used for the selective citral hydrogenation. <i>Journal of Catalysis</i> , 2015, 327, 86-95.	3.1	23
96	Effect of dilution ratio and drying method of resorcinol-formaldehyde carbon gels on their electrocapacitive properties in aqueous and non-aqueous electrolytes. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 75, 407-412.	1.1	11
97	Influence of the physicochemical properties of inorganic supports on the activity of immobilized bacteria for water denitrification. <i>Journal of Environmental Management</i> , 2015, 156, 81-88.	3.8	11
98	Mesoporous carbon-xerogels films obtained by microwave assisted carbonization. <i>Materials Letters</i> , 2015, 141, 135-137.	1.3	6
99	Bacteria supported on carbon films for water denitrification. <i>Chemical Engineering Journal</i> , 2015, 259, 424-429.	6.6	17
100	Development of carbon xerogels as alternative Pt-supports for the selective hydrogenation of citral. <i>Catalysis Communications</i> , 2015, 58, 64-69.	1.6	20
101	Tailoring the surface chemistry and porosity of activated carbons: Evidence of reorganization and mobility of oxygenated surface groups. <i>Carbon</i> , 2014, 68, 520-530.	5.4	71
102	Cooperative adsorption of bisphenol-A and chromium(III) ions from water on activated carbons prepared from olive-mill waste. <i>Carbon</i> , 2014, 73, 338-350.	5.4	87
103	Microspheres of carbon xerogel: An alternative Pt-support for the selective hydrogenation of citral. <i>Applied Catalysis A: General</i> , 2014, 482, 318-326.	2.2	27
104	Influence of the Boron Precursor and Drying Method on Surface Properties and Electrochemical Behavior of Boron-Doped Carbon Gels. <i>Langmuir</i> , 2014, 30, 1716-1722.	1.6	17
105	Removal of the surfactant sodium dodecylbenzenesulfonate from water by processes based on adsorption/bioadsorption and biodegradation. <i>Journal of Colloid and Interface Science</i> , 2014, 418, 113-119.	5.0	47
106	Tailoring activated carbons for the development of specific adsorbents of gasoline vapors. <i>Journal of Hazardous Materials</i> , 2013, 263, 533-540.	6.5	28
107	Electrochemical performance of Cu- and Ag-doped carbon aerogels. <i>Materials Chemistry and Physics</i> , 2013, 138, 870-876.	2.0	21
108	Enlarging an Isoreticular Family: 3,3',5,5'-Tetramethyl-4,4'-bipyrazolato-Based Porous Coordination Polymers. <i>Crystal Growth and Design</i> , 2013, 13, 3087-3097.	1.4	38

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109	Importance of the rheological properties of resorcinol-formaldehyde sols in the preparation of Cu-doped organic and carbon xerogel microspheres. <i>Carbon</i> , 2013, 53, 402-405.	5.4	6
110	Synthesis, surface characteristics, and electrochemical capacitance of Cu-doped carbon xerogel microspheres. <i>Carbon</i> , 2013, 55, 260-268.	5.4	15
111	Carbon Xerogel Microspheres and Monoliths from Resorcinol-Formaldehyde Mixtures with Varying Dilution Ratios: Preparation, Surface Characteristics, and Electrochemical Double-Layer Capacitances. <i>Langmuir</i> , 2013, 29, 6166-6173.	1.6	50
112	Catalysts Supported on Carbon Materials for the Selective Hydrogenation of Citral. <i>Catalysts</i> , 2013, 3, 853-877.	1.6	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. <i>Catalysts</i> , 2012, 2, 422-433.	1.6	4
114	Preparation, surface characteristics, and electrochemical double-layer capacitance of KOH-activated carbon aerogels and their O- and N-doped derivatives. <i>Journal of Power Sources</i> , 2012, 219, 80-88.	4.0	68
115	Electrochemical performance of carbon gels with variable surface chemistry and physics. <i>Carbon</i> , 2012, 50, 3324-3332.	5.4	48
116	On the micro- and mesoporosity of carbon aerogels and xerogels. The role of the drying conditions during the synthesis processes. <i>Chemical Engineering Journal</i> , 2012, 181-182, 851-855.	6.6	52
117	Preparation of carbon aerogel supported platinum catalysts for the selective hydrogenation of cinnamaldehyde. <i>Applied Catalysis A: General</i> , 2012, 425-426, 161-169.	2.2	36
118	Water sorption on silica- and zeolite-supported hygroscopic salts for cooling system applications. <i>Energy Conversion and Management</i> , 2012, 53, 219-223.	4.4	64
119	Activated carbons from KOH-activation of argan (<i>Argania spinosa</i>) seed shells as supercapacitor electrodes. <i>Bioresource Technology</i> , 2012, 111, 185-190.	4.8	368
120	Structural characterization of carbon xerogels: From film to monolith. <i>Microporous and Mesoporous Materials</i> , 2012, 153, 24-29.	2.2	30
121	Activated carbon cloth as adsorbent and oxidation catalyst for the removal of amitrole from aqueous solution. <i>Adsorption</i> , 2011, 17, 413-419.	1.4	18
122	Surface characteristics and electrochemical capacitances of carbon aerogels obtained from resorcinol and pyrocatechol using boric and oxalic acids as polymerization catalysts. <i>Carbon</i> , 2011, 49, 3808-3819.	5.4	61
123	Pt-catalysts supported on activated carbons for catalytic wet air oxidation of aniline: Activity and stability. <i>Applied Catalysis B: Environmental</i> , 2011, 105, 86-94.	10.8	37
124	Heterogeneous and homogeneous Fenton processes using activated carbon for the removal of the herbicide amitrole from water. <i>Applied Catalysis B: Environmental</i> , 2011, 101, 425-430.	10.8	60
125	Design of low-temperature Pt-carbon combustion catalysts for VOC's treatments. <i>Journal of Hazardous Materials</i> , 2010, 183, 814-822.	6.5	75
126	Water adsorption on zeolite 13X: comparison of the two methods based on mass spectrometry and thermogravimetry. <i>Adsorption</i> , 2010, 16, 141-146.	1.4	47

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127	Wet air oxidation of trinitrophenol with activated carbon catalysts: Effect of textural properties on the mechanism of degradation. <i>Applied Catalysis B: Environmental</i> , 2010, 100, 310-317.	10.8	29
128	Textural and mechanical characteristics of carbon aerogels synthesized by polymerization of resorcinol and formaldehyde using alkali carbonates as basification agents. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10365.	1.3	46
129	Palladium and platinum catalysts supported on carbon nanofiber coated monoliths for low-temperature combustion of BTX. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 411-419.	10.8	66
130	Carbon aerogels from gallic acid-resorcinol mixtures as adsorbents of benzene, toluene and xylenes from dry and wet air under dynamic conditions. <i>Carbon</i> , 2009, 47, 463-469.	5.4	46
131	Influence of support porosity and Pt content of Pt/carbon aerogel catalysts on metal dispersion and formation of self-assembled Pt-carbon hybrid nanostructures. <i>Carbon</i> , 2009, 47, 2679-2687.	5.4	28
132	Carbon-based monoliths for the catalytic elimination of benzene, toluene and m-xylene. <i>Applied Catalysis A: General</i> , 2009, 366, 282-287.	2.2	14
133	Surface Chemistry, Porous Texture, and Morphology of N-Doped Carbon Xerogels. <i>Langmuir</i> , 2009, 25, 466-470.	1.6	93
134	Carbon-based monolithic supports for palladium catalysts: The role of the porosity in the gas-phase total combustion of m-xylene. <i>Applied Catalysis B: Environmental</i> , 2008, 77, 272-277.	10.8	35
135	Inter- and Intra-Primary-Particle Structure of Monolithic Carbon Aerogels Obtained with Varying Solvents. <i>Langmuir</i> , 2008, 24, 2820-2825.	1.6	25
136	Development of Carbon Coatings for Cordierite Foams: An Alternative to Cordierite Honeycombs. <i>Langmuir</i> , 2008, 24, 3267-3273.	1.6	18
137	Adsorption of Benzene, Toluene, and Xylenes on Monolithic Carbon Aerogels from Dry Air Flows. <i>Langmuir</i> , 2007, 23, 10095-10101.	1.6	74
138	Methanol partial oxidation on carbon-supported Pt and Pd catalysts. <i>Catalysis Today</i> , 2007, 123, 158-163.	2.2	36
139	Reversible toluene adsorption on monolithic carbon aerogels. <i>Journal of Hazardous Materials</i> , 2007, 148, 548-552.	6.5	76
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