Manuel Fernando R Pereira

List of Publications by Year
in descending order

341	23,637	7096 78	10445 139
papers	citations	h-index	g-index

348	348	348	21234
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of monometallic macrostructured catalysts for bromate reduction in a continuous catalytic system. Environmental Technology (United Kingdom), 2023, 44, 3834-3849.	2.2	2
2	Nano- and macro-structured cerium oxide â€“ Carbon nanotubes composites for the catalytic ozonation of organic pollutants in water. Catalysis Today, 2022, 384-386, 187-196.	4.4	7
3	O3 based advanced oxidation for ibuprofen degradation. Chinese Journal of Chemical Engineering, 2022, 42, 277-284.	3.5	7
4	Fe, Co, N-doped carbon nanotubes as bifunctional oxygen electrocatalysts. Applied Surface Science, 2022, 572, 151459.	6.1	3
5	Advanced oxidation technologies and constructed wetlands in aquaculture farms: What do we know so far about micropollutant removal?. Environmental Research, 2022, 204, 111955.	7.5	24
6	Selecting the most environmentally friendly oxidant for UVC degradation of micropollutants in urban wastewater by assessing life cycle impacts: Hydrogen peroxide, peroxymonosulfate or persulfate?. Science of the Total Environment, 2022, 808, 152050.	8.0	10
7	Overgrowth control of potentially hazardous bacteria during storage of ozone treated wastewater through natural competition. Water Research, 2022, 209, 117932.	11.3	17
8	Copper Supported on Mesoporous Structured Catalysts for NO Reduction. Catalysts, 2022, 12, 170.	3.5	2
9	Performance of Graphene/Polydimethylsiloxane Surfaces against S. aureus and P. aeruginosa Single- and Dual-Species Biofilms. Nanomaterials, 2022, 12, 355.	4.1	7
10	Study and characterization of the lignocellulosic Fique (Furcraea Andina spp.) fiber. Cellulose, 2022, 29, 2187-2198.	4.9	7
11	Palladium Impregnation on Electrospun Carbon Fibers for Catalytic Reduction of Bromate in Water. Processes, 2022, 10, 458.	2.8	1
12	Implementation of Transition Metal Phosphides as Pt-Free Catalysts for PEM Water Electrolysis. Energies, 2022, 15, 1821.	3.1	9
13	Engineering of Nanostructured Carbon Catalyst Supports for the Continuous Reduction of Bromate in Drinking Water. Journal of Carbon Research, 2022, 8, 21.	2.7	3
14	In situ investigation of the CO2 methanation on carbon/ceria-supported Ni catalysts using modulation-excitation DRIFTS. Applied Catalysis B: Environmental, 2022, 312, 121376.	20.2	20
15	Understanding the importance of Nâ”doping for CNT-supported Ni catalysts for CO2 methanation. Carbon, 2022, 195, 35-43.	10.3	15
16	Antibiotics removal from aquaculture effluents by ozonation: chemical and toxicity descriptors. Water Research, 2022, 218, 118497.	11.3	22
17	Optimization of the preparation conditions of cordierite honeycomb monoliths washcoated with cryptomelane-type manganese oxide for VOC oxidation. Environmental Technology (United Kingdom), 2021, 42, 2504-2515.	2.2	8
18	An overview of the hydrolytic hydrogenation of lignocellulosic biomass using carbon-supported metal catalysts. Materials Today Sustainability, 2021, 11-12, 100058.	4.1	8

#	Article	IF	Citations
19	A life cycle assessment of solar-based treatments (H2O2, TiO2 photocatalysis, circumneutral) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 761, 143258.	8.0	38
20	Influence of preparation methods on the activity of macro-structured ball-milled MWCNT catalysts in the ozonation of organic pollutants. Journal of Environmental Chemical Engineering, 2021, 9, 104578.	6.7	6
21	Electrochemical oxidation of diclofenac on CNT and M/CNT modified electrodes. New Journal of Chemistry, 2021, 45, 12622-12633.	2.8	7
22	From Nano- to Macrostructured Carbon Catalysts for Water and Wastewater Treatment. , 2021, , 273-308.		0
23	Detoxification of Ciprofloxacin in an Anaerobic Bioprocess Supplemented with Magnetic Carbon Nanotubes: Contribution of Adsorption and Biodegradation Mechanisms. International Journal of Molecular Sciences, 2021, 22, 2932.	4.1	9
24	Optimizing CNT Loading in Antimicrobial Composites for Urinary Tract Application. Applied Sciences (Switzerland), 2021, 11, 4038.	2.5	15
25	Towards Controlled Degradation of Poly(lactic) Acid in Technical Applications. Journal of Carbon Research, 2021, 7, 42.	2.7	83
26	CNT-based Materials as Electrodes for Flexible Supercapacitors. U Porto Journal of Engineering, 2021, 7, 151-162.	0.4	3
27	Heteroatom (N, S) Co-Doped CNTs in the Phenol Oxidation by Catalytic Wet Air Oxidation. Catalysts, 2021, 11, 578.	3.5	7
28	Dibenzothiophene adsorption onto carbon-based adsorbent produced from the coconut shell: Effect of the functional groups density and textural properties on kinetics and equilibrium. Fuel, 2021, 292, 120354.	6.4	13
29	Relationships between texture, surface chemistry and performance of N-doped carbon xerogels in the oxygen reduction reaction. Applied Surface Science, 2021, 548, 149242.	6.1	20
30	Feasibility of using magnetic nanoparticles in water disinfection. Journal of Environmental Management, 2021, 288, 112410.	7.8	7
31	Effective adsorption of the endocrine disruptor compound bisphenol a from water on surface-modified carbon materials. Applied Surface Science, 2021, 552, 149513.	6.1	32
32	Carbon xerogels combined with nanotubes as solid-phase extraction sorbent to determine metaflumizone and seven other surface and drinking water micropollutants. Scientific Reports, 2021, 11, 13817.	3.3	2
33	Influence of organic matter formed during oxidative processes in the catalytic reduction of nitrate. Journal of Environmental Chemical Engineering, 2021, 9, 105545.	6.7	10
34	Highly N2-Selective Activated Carbon-Supported Pt-In Catalysts for the Reduction of Nitrites in Water. Frontiers in Chemistry, 2021, 9, 733881.	3.6	6
35	Ozone-based water treatment (O3, O3/UV, O3/H2O2) for removal of organic micropollutants, bacteria inactivation and regrowth prevention. Journal of Environmental Chemical Engineering, 2021, 9, 105315.	6.7	59
36	Rethinking water treatment targets: Bacteria regrowth under unprovable conditions. Water Research, 2021, 201, 117374.	11.3	17

#	Article	IF	Citations
37	Direct catalytic conversion of agro-forestry biomass wastes into ethylene glycol over CNT supported Ru and W catalysts. Industrial Crops and Products, 2021, 166, 113461.	5.2	19
38	Degradation and mineralization of oxalic acid using catalytic wet oxidation over carbon coated ceramic monoliths. Journal of Environmental Chemical Engineering, 2021, 9, 105369.	6.7	9
39	New Opportunity for Carbonâ€Supported Niâ€based Electrocatalysts: Gasâ€Phase CO₂ Methanation. ChemCatChem, 2021, 13, 4770-4779.	3.7	7
40	Production of ethyl levulinate fuel bioadditive from 5-hydroxymethylfurfural over sulfonic acid functionalized biochar catalysts. Fuel, 2021, 303, 121227.	6.4	28
41	Ozonation of cytostatic drugs in aqueous phase. Science of the Total Environment, 2021, 795, 148855.	8.0	11
42	Aging assessment of microplastics (LDPE, PET and uPVC) under urban environment stressors. Science of the Total Environment, 2021, 796, 148914.	8.0	93
43	Solid acid carbon catalysts for sustainable production of biofuel enhancers via transesterification of glycerol with ethyl acetate. Fuel, 2021, 304, 121381.	6.4	9
44	Towards the efficient reduction of perchlorate in water using rhenium-noble metal bimetallic catalysts supported on activated carbon. Journal of Environmental Chemical Engineering, 2021, 9, 106397.	6.7	5
45	Air oxidized activated carbon catalyst for aerobic oxidative aromatizations of N-heterocycles. Catalysis Science and Technology, 2021, 11, 5962-5972.	4.1	12
46	Metal-zeolite catalysts for the removal of pharmaceutical pollutants in water by catalytic ozonation. Journal of Environmental Chemical Engineering, 2021, 9, 106458.	6.7	8
47	Fenton's oxidation using iron-containing activated carbon as catalyst for degradation of p-nitrophenol in a continuous stirred tank reactor. Journal of Water Process Engineering, 2021, 44, 102386.	5.6	4
48	Fenton-Type Bimetallic Catalysts for Degradation of Dyes in Aqueous Solutions. Catalysts, 2021, 11, 32.	3.5	8
49	Unveiling the role of oxidative treatments on the electrochemical performance of carbon nanotube-based cotton textile supercapacitors. Carbon Trends, 2021, 5, 100137.	3.0	7
50	Solar Light-Induced Methylene Blue Removal over TiO2/AC Composites and Photocatalytic Regeneration. Nanomaterials, 2021, 11, 3016.	4.1	11
51	Bezafibrate removal by coupling ozonation and photocatalysis: effect of experimental conditions. Environmental Nanotechnology, Monitoring and Management, 2021, 17, 100610.	2.9	0
52	Electrochemical oxidation of amoxicillin on carbon nanotubes and carbon nanotube supported metal modified electrodes. Catalysis Today, 2020, 357, 322-331.	4.4	15
53	Metal-free carbon materials as catalysts for wet air oxidation. Catalysis Today, 2020, 356, 189-196.	4.4	20
54	Effect of ball milling on the catalytic activity of cryptomelane for VOC oxidation. Environmental Technology (United Kingdom), 2020, 41, 117-130.	2.2	14

#	Article	IF	Citations
55	Preparation of ceramic and metallic monoliths coated with cryptomelane as catalysts for VOC abatement. Chemical Engineering Journal, 2020, 382, 122923.	12.7	23
56	Effect of porous structure on doping and the catalytic performance of carbon xerogels towards the oxygen reduction reaction. Microporous and Mesoporous Materials, 2020, 293, 109811.	4.4	16
57	Catalytic Transfer Hydrogenation of Furfural over Co₃O₄â^'Al₂O₃ Hydrotalciteâ€derived Catalyst. ChemCatChem, 2020, 12, 1467-1475.	3.7	31
58	Microplastics in the environment: A DPSIR analysis with focus on the responses. Science of the Total Environment, 2020, 718, 134968.	8.0	70
59	Application of magnetic nanoparticles for water purification. Environmental Advances, 2020, 2, 100010.	4.8	31
60	Phosphorus-doped carbon/carbon nanotube hybrids as high-performance electrodes for supercapacitors. Electrochimica Acta, 2020, 354, 136713.	5.2	16
61	4-Nitrobenzaldehyde removal by catalytic ozonation in the presence of CNT. Journal of Water Process Engineering, 2020, 38, 101573.	5.6	13
62	Multi-Walled Carbon Nanotubes Enhance Methanogenesis from Diverse Organic Compounds in Anaerobic Sludge and River Sediments. Applied Sciences (Switzerland), 2020, 10, 8184.	2.5	8
63	Carbon Nanotube/Poly(dimethylsiloxane) Composite Materials to Reduce Bacterial Adhesion. Antibiotics, 2020, 9, 434.	3.7	20
64	Impact of Thermal Treatment of Nb2O5 on Its Performance in Glucose Dehydration to 5-Hydroxymethylfurfural in Water. Nanomaterials, 2020, 10, 1685.	4.1	16
65	The role of surface properties in CO₂ methanation over carbon-supported Ni catalysts and their promotion by Fe. Catalysis Science and Technology, 2020, 10, 7217-7225.	4.1	21
66	Tailoring Carbon Nanotubes to Enhance their Efficiency as Electron Shuttle on the Biological Removal of Acid Orange 10 Under Anaerobic Conditions. Nanomaterials, 2020, 10, 2496.	4.1	10
67	Nitrate Catalytic Reduction over Bimetallic Catalysts: Catalyst Optimization. Journal of Carbon Research, 2020, 6, 78.	2.7	11
68	Processing Methods Used in the Fabrication of Macrostructures Containing 1D Carbon Nanomaterials for Catalysis. Processes, 2020, 8, 1329.	2.8	5
69	Nanostructured Layers of Mechanically Processed Multiwalled Carbon Nanotubes for Catalytic Ozonation of Organic Pollutants. ACS Applied Nano Materials, 2020, 3, 5271-5284.	5.0	16
70	Advanced oxidation technologies combined with direct contact membrane distillation for treatment of secondary municipal wastewater. Chemical Engineering Research and Design, 2020, 140, 111-123.	5.6	25
71	Engaging nanoporous carbons in â€œbeyond adsorptionâ€•applications: Characterization, challenges and performance. Carbon, 2020, 164, 69-84.	10.3	41
72	Efficiency and stability of metal-free carbon nitride in the photocatalytic ozonation of oxamic acid under visible light. Journal of Environmental Chemical Engineering, 2020, 8, 104172.	6.7	7

#	Article	IF	Citations
73	Intensification of the ozone-water mass transfer in an oscillatory flow reactor with innovative design of periodic constrictions: Optimization and application in ozonation water treatment. Chemical Engineering Journal, 2020, 389, 124412.	12.7	40
74	Hydrothermal Carbon/Carbon Nanotube Composites as Electrocatalysts for the Oxygen Reduction Reaction. Journal of Composites Science, 2020, 4, 20.	3.0	6
75	Selective formic acid dehydrogenation at low temperature over a RuO₂/COF pre-catalyst synthesized on the gram scale. Catalysis Science and Technology, 2020, 10, 1991-1995.	4.1	25
76	Binuclear furanyl-azine metal complexes encapsulated in NaY zeolite as efficiently heterogeneous catalysts for phenol hydroxylation. Journal of Molecular Structure, 2020, 1206, 127687.	3.6	5
77	The impact of surface chemistry of carbon xerogels on their performance in phenol removal from wastewaters via combined adsorption-catalytic process. Applied Surface Science, 2020, 511, 145467.	6.1	22
78	Environmental impact assessment of advanced urban wastewater treatment technologies for the removal of priority substances and contaminants of emerging concern: A review. Journal of Cleaner Production, 2020, 261, 121078.	9.3	84
79	Highly electroactive Nâ€“Fe hydrothermal carbons and carbon nanotubes for the oxygen reduction reaction. Journal of Energy Chemistry, 2020, 50, 260-270.	12.9	13
80	Distribution of micropollutants in estuarine and sea water along the Portuguese coast. Marine Pollution Bulletin, 2020, 154, 111120.	5.0	33
81	Solid-phase extraction cartridges with multi-walled carbon nanotubes and effect of the oxygen functionalities on the recovery efficiency of organic micropollutants. Scientific Reports, 2020, 10, 22304.	3.3	9
82	Catalytic Advanced Oxidation Processes for Sulfamethoxazole Degradation. Applied Sciences (Switzerland), 2019, 9, 2652.	2.5	24
83	Glucose-based carbon materials as supports for the efficient catalytic transformation of cellulose directly to ethylene glycol. Cellulose, 2019, 26, 7337-7353.	4.9	24
84	Using square wave voltammetry for the electrochemical characterization of cerium oxide/multiwalled carbon nanotube composites in different aqueous electrolytes. Journal of Electroanalytical Chemistry, 2019, 847, 113269.	3.8	1
85	Magnetic Nanoparticles for Photocatalytic Ozonation of Organic Pollutants. Catalysts, 2019, 9, 703.	3.5	10
86	Quenchers in advanced oxidation technologies for analysis of micropollutants by liquid chromatography coupled to mass spectrometry: Sodium sulphite or catalase?. Science of the Total Environment, 2019, 692, 995-1004.	8.0	3
87	Catalytic conversion of cellulose to sorbitol over Ru supported on biomass-derived carbon-based materials. Applied Catalysis B: Environmental, 2019, 256, 117826.	20.2	61
88	Photocatalytic performance of N-doped TiO2nano-SiO2-HY nanocomposites immobilized over cotton fabrics. Journal of Materials Research and Technology, 2019, 8, 1933-1943.	5.8	34
89	Mechanothermal Approach for N-, S-, P-, and B-Doping of Carbon Nanotubes: Methodology and Catalytic Performance in Wet Air Oxidation. Journal of Carbon Research, 2019, 5, 30.	2.7	13
90	Glucose-derived carbon materials with tailored properties as electrocatalysts for the oxygen reduction reaction. Beilstein Journal of Nanotechnology, 2019, 10, 1089-1102.	2.8	27

#	Article	IF	Citations
91	Continuous ozonation of urban wastewater: Removal of antibiotics, antibiotic-resistant Escherichia coli and antibiotic resistance genes and phytotoxicity. Water Research, 2019, 159, 333-347.	11.3	222
92	Electrocatalytic activity of new Mn3O4@oxidized graphene flakes nanocomposites toward oxygen reduction reaction. Journal of Materials Science, 2019, 54, 8919-8940.	3.7	26
93	Heterogeneous Fenton-Like Degradation of p-Nitrophenol over Tailored Carbon-Based Materials. Catalysts, 2019, 9, 258.	3.5	28
94	Catalytic bromate reduction in water: Influence of carbon support. Journal of Environmental Chemical Engineering, 2019, 7, 103015.	6.7	20
95	Noble-Metal-Free MOF-74-Derived Nanocarbons: Insights on Metal Composition and Doping Effects on the Electrocatalytic Activity Toward Oxygen Reactions. ACS Applied Energy Materials, 2019, 2, 1854-1867.	5.1	60
96	Encapsulation and characterisation of cationic benzo[a]phenoxazines in zeolite HY. New Journal of Chemistry, 2019, 43, 15785-15792.	2.8	7
97	Monitoring of the 17 EU Watch List contaminants of emerging concern in the Ave and the Sousa Rivers. Science of the Total Environment, 2019, 649, 1083-1095.	8.0	120
98	Influence of Multiwalled Carbon Nanotubes as Additives in Biomass-Derived Carbons for Supercapacitor Applications. ACS Applied Materials & Interfaces, 2019, 11, 6066-6077.	8.0	67
99	Incorporation of carbon nanotubes in polydimethylsiloxane to controlEscherichia coliadhesion. Polymer Composites, 2019, 40, E1697-E1704.	4.6	18
100	Microbial conversion of oily wastes to methane: Effect of ferric nanomaterials. , 2019, , 339-345.		1
101	Influence of carbon anode properties on performance and microbiome of Microbial Electrolysis Cells operated on urine. Electrochimica Acta, 2018, 267, 122-132.	5.2	20
102	Cascade Conversion of Cellobiose to Gluconic Acid: The Large Impact of the Small Modification of Electronic Interaction on the Performance of Au/TiO₂ Bifunctional Catalysts. Energy Technology, 2018, 6, 1675-1686.	3.8	8
103	Ethyl and butyl acetate oxidation over manganese oxides. Chinese Journal of Catalysis, 2018, 39, 27-36.	14.0	9
104	Modification of microfluidic paper-based devices with dye nanomaterials obtained by encapsulation of compounds in Y and ZSM5 zeolites. Sensors and Actuators B: Chemical, 2018, 261, 66-74.	7.8	13
105	N/S-doped graphene derivatives and TiO2 for catalytic ozonation and photocatalysis of water pollutants. Chemical Engineering Journal, 2018, 348, 888-897.	12.7	84
106	Oxygen surface groups analysis of carbonaceous samples pyrolysed at low temperature. Carbon, 2018, 134, 255-263.	10.3	48
107	Conversion of hemicellulose-derived pentoses over noble metal supported on 1D multiwalled carbon nanotubes. Applied Catalysis B: Environmental, 2018, 232, 101-107.	20.2	34
108	Bifunctional gold catalysts: Relationship between preparation method and catalytic performance in tandem cellobiose valorization. Catalysis Today, 2018, 301, 55-64.	4.4	7

#	Article	IF	Citations
109	CoMn-LDH@carbon nanotube composites: Bifunctional electrocatalysts for oxygen reactions. Catalysis Today, 2018, 301, 17-24.	4.4	44
110	Cooperative action of heteropolyacids and carbon supported Ru catalysts for the conversion of cellulose. Catalysis Today, 2018, 301, 65-71.	4.4	39
111	A review on environmental monitoring of water organic pollutants identified by EU guidelines. Journal of Hazardous Materials, 2018, 344, 146-162.	12.4	589
112	Catalytic and Photocatalytic Nitrate Reduction Over Pd-Cu Loaded Over Hybrid Materials of Multi-Walled Carbon Nanotubes and TiO2. Frontiers in Chemistry, 2018, 6, 632.	3.6	21
113	Co₃O₄ Nanoparticles Anchored on Selectively Oxidized Graphene Flakes as Bifunctional Electrocatalysts for Oxygen Reactions. ChemistrySelect, 2018, 3, 10064-10076.	1.5	14
114	Study of the Electroreactivity of Amoxicillin on Carbon Nanotubeâ€Supported Metal Electrodes. ChemCatChem, 2018, 10, 4900-4909.	3.7	7
115	Sulfamethoxazole degradation by combination of advanced oxidation processes. Journal of Environmental Chemical Engineering, 2018, 6, 4054-4060.	6.7	41
116	Insights into the effect of the catalytic functions on selective production of ethylene glycol from lignocellulosic biomass over carbon supported ruthenium and tungsten catalysts. Bioresource Technology, 2018, 263, 402-409.	9.6	39
117	Cutting the Green Waste. Structureâ€Performance Relationship in Functionalized Carbon Xerogels for Hydrolysis of Cellobiose. ChemCatChem, 2018, 10, 4934-4946.	3.7	10
118	Spatial and seasonal occurrence of micropollutants in four Portuguese rivers and a case study for fluorescence excitation-emission matrices. Science of the Total Environment, 2018, 644, 1128-1140.	8.0	53
119	Oxidation of Volatile Organic Compounds by Highly Efficient Metal Zeolite Catalysts. ChemCatChem, 2018, 10, 3754-3760.	3.7	11
120	Hydrolytic hydrogenation of cellulose to ethylene glycol over carbon nanotubes supported Ruâ€“W bimetallic catalysts. Cellulose, 2018, 25, 2259-2272.	4.9	31
121	Metal-Free Catalytic Wet Oxidation: From Powder to Structured Catalyst Using N-Doped Carbon Nanotubes. Topics in Catalysis, 2018, 61, 1957-1966.	2.8	7
122	Direct conversion of cellulose to sorbitol over ruthenium catalysts: Influence of the support. Catalysis Today, 2017, 279, 244-251.	4.4	41
123	Ozonation and UV254nm radiation for the removal of microorganisms and antibiotic resistance genes from urban wastewater. Journal of Hazardous Materials, 2017, 323, 434-441.	12.4	179
124	Tuning the surface chemistry of graphene flakes: new strategies for selective oxidation. RSC Advances, 2017, 7, 14290-14301.	3.6	83
125	Direct catalytic production of sorbitol from waste cellulosic materials. Bioresource Technology, 2017, 232, 152-158.	9.6	34
126	Effect of cobalt loading on the solid state properties and ethyl acetate oxidation performance of cobalt-cerium mixed oxides. Journal of Colloid and Interface Science, 2017, 496, 141-149.	9.4	64

#	Article	IF	Citations
127	Synthesis, characterization and application of magnetic carbon materials as electron shuttles for the biological and chemical reduction of the azo dye Acid Orange 10. Applied Catalysis B: Environmental, 2017, 212, 175-184.	20.2	34
128	Comparison of different silica microporous structures as drug delivery systems for in vitro models of solid tumors. RSC Advances, 2017, 7, 13104-13111.	3.6	22
129	Electrochemical Exfoliation of Graphite in Aqueous Sodium Halide Electrolytes toward Low Oxygen Content Graphene for Energy and Environmental Applications. ACS Applied Materials & Interfaces, 2017, 9, 24085-24099.	8.0	92
130	Photocatalytic degradation of Rhodamine B dye by cotton textile coated with SiO2-TiO2 and SiO2-TiO2-HY composites. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 346, 60-69.	3.9	74
131	Bifunctionality of the pyrone functional group in oxidized carbon nanotubes towards oxygen reduction reaction. Catalysis Science and Technology, 2017, 7, 1868-1879.	4.1	16
132	Synthesis of TiO2-Carbon Nanotubes through ball-milling method for mineralization of oxamic acid (OMA) by photocatalytic ozonation. Journal of Environmental Chemical Engineering, 2017, 5, 5599-5607.	6.7	23
133	Different methodologies for synthesis of nitrogen doped carbon nanotubes and their use in catalytic wet air oxidation. Applied Catalysis A: General, 2017, 548, 62-70.	4.3	39
134	p-Nitrophenol degradation by heterogeneous Fentonâ€™s oxidation over activated carbon-based catalysts. Applied Catalysis B: Environmental, 2017, 219, 109-122.	20.2	99
135	Simultaneous catalytic conversion of cellulose and corncob xylan under temperature programming for enhanced sorbitol and xylitol production. Bioresource Technology, 2017, 244, 1173-1177.	9.6	20
136	A â€œNanopore Lithographyâ€•Strategy for Synthesizing Hierarchically Micro/Mesoporous Carbons from ZIF-8/Graphene Oxide Hybrids for Electrochemical Energy Storage. ACS Applied Materials & Interfaces, 2017, 9, 44740-44755.	8.0	46
137	Catalytic reduction of bromate over monometallic catalysts on different powder and structured supports. Chemical Engineering Journal, 2017, 309, 197-205.	12.7	41
138	Influence of the Surface Chemistry of Multiwalled Carbon Nanotubes on the Selective Conversion of Cellulose into Sorbitol. ChemCatChem, 2017, 9, 888-896.	3.7	19
139	Volatile organic compounds abatement over copper-based catalysts: Effect of support. Inorganica Chimica Acta, 2017, 455, 473-482.	2.4	33
140	Photocatalytic ozonation of aniline with TiO2-carbon composite materials. Journal of Environmental Management, 2017, 195, 208-215.	7.8	41
141	Photocatalytic-assisted ozone degradation of metolachlor aqueous solution. Chemical Engineering Journal, 2017, 318, 247-253.	12.7	37
142	Carbon supported Ru-Ni bimetallic catalysts for the enhanced one-pot conversion of cellulose to sorbitol. Applied Catalysis B: Environmental, 2017, 217, 265-274.	20.2	82
143	Ethyl Acetate Abatement on Copper Catalysts Supported on Ceria Doped with Rare Earth Oxides. Molecules, 2016, 21, 644.	3.8	29
144	Tuning CNT Properties for Metal-Free Environmental Catalytic Applications. Journal of Carbon Research, 2016, 2, 17.	2.7	17

#	Article	IF	Citations
145	Effect of different carbon materials as electron shuttles in the anaerobic biotransformation of nitroanilines. Biotechnology and Bioengineering, 2016, 113, 1194-1202.	3.3	30
146	Perspectives on carbon materials as powerful catalysts in continuous anaerobic bioreactors. Water Research, 2016, 101, 441-447.	11.3	21
147	Oxidation of mixtures of ethyl acetate and butyl acetate over cryptomelane and the effect of water vapor. Environmental Progress and Sustainable Energy, 2016, 35, 1324-1329.	2.3	12
148	Phosphomolybdate@Carbon-Based Nanocomposites as Electrocatalysts for Oxygen Reduction Reaction. ChemistrySelect, 2016, 1, 6257-6266.	1.5	15
149	Highly active N-doped carbon nanotubes prepared by an easy ball milling method for advanced oxidation processes. Applied Catalysis B: Environmental, 2016, 192, 296-303.	20.2	90
150	Electrochemical storage mechanisms in non-stoichiometric cerium oxide/multiwalled carbon nanotube composites. Electrochimica Acta, 2016, 209, 25-35.	5.2	17
151	Naphthopyran-Based Silica Nanoparticles as New High-Performance Photoresponsive Materials. ACS Applied Materials & Interfaces, 2016, 8, 7221-7231.	8.0	34
152	Synergistic effect of bimetallic Au-Pd supported on ceria-zirconia mixed oxide catalysts for selective oxidation of glycerol. Applied Catalysis B: Environmental, 2016, 197, 222-235.	20.2	62
153	Effect of nanostructure on the supercapacitor performance of activated carbon xerogels obtained from hydrothermally carbonized glucose-graphene oxide hybrids. Carbon, 2016, 105, 474-483.	10.3	66
154	Screen-Printed Photochromic Textiles through New Inks Based on SiO₂@naphthopyran Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 28935-28945.	8.0	53
155	Eco-friendly LCâ€“MS/MS method for analysis of multi-class micropollutants in tap, fountain, and well water from northern Portugal. Analytical and Bioanalytical Chemistry, 2016, 408, 8355-8367.	3.7	36
156	A one-pot method for the enhanced production of xylitol directly from hemicellulose (corncob) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	3.6	27
157	CO oxidation over gold supported on Cs, Li and Ti-doped cryptomelane materials. Journal of Colloid and Interface Science, 2016, 480, 17-29.	9.4	15
158	Nâ€doped Carbon Nanotubes for the Oxygen Reduction Reaction in Alkaline Medium: Synergistic Relationship between Pyridinic and Quaternary Nitrogen. ChemistrySelect, 2016, 1, 2522-2530.	1.5	36
159	Pd, Pt, and Ptâ€“Cu Catalysts Supported on Carbon Nanotube (CNT) for the Selective Oxidation of Glycerol in Alkaline and Base-Free Conditions. Industrial & Engineering Chemistry Research, 2016, 55, 8548-8556.	3.7	46
160	Catalytic wet oxidation of organic compounds over N-doped carbon nanotubes in batch and continuous operation. Applied Catalysis B: Environmental, 2016, 199, 361-371.	20.2	27
161	One-pot oxidation of cellobiose to gluconic acid. Unprecedented high selectivity on bifunctional gold catalysts over mesoporous carbon by integrated texture and surface chemistry optimization. Applied Catalysis B: Environmental, 2016, 184, 381-396.	20.2	54
162	Photocatalytic ozonation of urban wastewater and surface water using immobilized TiO2 with LEDs: Micropollutants, antibiotic resistance genes and estrogenic activity. Water Research, 2016, 94, 10-22.	11.3	185

#	Article	IF	Citations
163	Occurrence and removal of organic micropollutants: An overview of the watch list of EU Decision 2015/495. Water Research, 2016, 94, 257-279.	11.3	698
164	Carbon nanofibers doped with nitrogen for the continuous catalytic ozonation of organic pollutants. Chemical Engineering Journal, 2016, 293, 102-111.	12.7	47
165	Comparative study of different catalysts for the direct conversion of cellulose to sorbitol. Green Processing and Synthesis, 2015, 4, .	3.4	6
166	In Focus Section CHEMPOR 2014. Journal of Chemical Technology and Biotechnology, 2015, 90, 1545-1546.	3.2	0
167	Nitrogen-doped graphene-based materials for advanced oxidation processes. Catalysis Today, 2015, 249, 192-198.	4.4	62
168	Micro- and Mesoporous Structures as Drug Delivery Carriers for Salicylic Acid. Journal of Physical Chemistry C, 2015, 119, 3589-3595.	3.1	16
169	Bimetallic activated carbon supported catalysts for the hydrogen reduction of bromate in water. Catalysis Today, 2015, 249, 213-219.	4.4	31
170	Modification of carbon nanotubes by ball-milling to be used as ozonation catalysts. Catalysis Today, 2015, 249, 199-203.	4.4	48
171	Kinetic and equilibrium studies of phosphorous adsorption: Effect of physical and chemical properties of adsorption agent. Ecological Engineering, 2015, 82, 527-530.	3.6	20
172	Highly efficient reduction of bromate to bromide over mono and bimetallic ZSM5 catalysts. Green Chemistry, 2015, 17, 4247-4254.	9.0	44
173	Oxidative dehydrogenation of isobutane catalyzed by an activated carbon fiber cloth exposed to supercritical fluids. Applied Catalysis A: General, 2015, 502, 71-77.	4.3	12
174	Lanthano phosphomolybdate-decorated silica nanoparticles: novel hybrid materials with photochromic properties. Dalton Transactions, 2015, 44, 4582-4593.	3.3	15
175	Carbonized polyacrylonitrile fibers for the catalytic ozonation of oxalic acid. Catalysis Today, 2015, 249, 59-62.	4.4	9
176	Easy method to prepare N-doped carbon nanotubes by ball milling. Carbon, 2015, 91, 114-121.	10.3	111
177	Photocatalytic ozonation of model aqueous solutions of oxalic and oxamic acids. Applied Catalysis B: Environmental, 2015, 174-175, 113-119.	20.2	25
178	Oxidative dehydrogenation of isobutane on carbon xerogel catalysts. Catalysis Today, 2015, 249, 176-183.	4.4	34
179	Green synthesis of polypyrrole-supported metal catalysts: application to nitrate removal in water. RSC Advances, 2015, 5, 32706-32713.	3.6	14
180	Enhanced direct production of sorbitol by cellulose ball-milling. Green Chemistry, 2015, 17, 2973-2980.	9.0	90

#	Article	IF	Citations
181	Ozonation of bezafibrate over ceria and ceria supported on carbon materials. Environmental Technology (United Kingdom), 2015, 36, 776-785.	2.2	10
182	Hydrothermal functionalization of ordered mesoporous carbons: The effect of boron on supercapacitor performance. Carbon, 2015, 95, 72-83.	10.3	102
183	Environmental friendly method for urban wastewater monitoring of micropollutants defined in the Directive 2013/39/EU and Decision 2015/495/EU. Journal of Chromatography A, 2015, 1418, 140-149.	3.7	52
184	Adsorption of dyes by ACs prepared from waste tyre reinforcing fibre. Effect of texture, surface chemistry and pH. Journal of Colloid and Interface Science, 2015, 459, 189-198.	9.4	35
185	Fast mineralization and detoxification of amoxicillin and diclofenac by photocatalytic ozonation and application to an urban wastewater. Water Research, 2015, 87, 87-96.	11.3	153
186	Sucrose-derived activated carbons: electron transfer properties and application as oxygen reduction electrocatalysts. RSC Advances, 2015, 5, 102919-102931.	3.6	35
187	Removal of oxalic acid, oxamic acid and aniline by a combined photolysis and ozonation process. Environmental Technology (United Kingdom), 2015, 36, 1075-1083.	2.2	22
188	Gold-supported magnetically recyclable nanocatalysts: a sustainable solution for the reduction of 4-nitrophenol in water. RSC Advances, 2015, 5, 5131-5141.	3.6	60
189	Metal assessment for the catalytic reduction of bromate in water under hydrogen. Chemical Engineering Journal, 2015, 263, 119-126.	12.7	54
190	Nitrogen-doped carbon xerogels as catalysts for advanced oxidation processes. Catalysis Today, 2015, 241, 73-79.	4.4	48
191	Catalytic oxidation of toluene on Ceâ€“Co and Laâ€“Co mixed oxides synthesized by exotemplating and evaporation methods. Catalysis Today, 2015, 244, 161-171.	4.4	129
192	An overview on the advanced oxidation processes applied for the treatment of water pollutants defined in the recently launched Directive 2013/39/EU. Environment International, 2015, 75, 33-51.	10.0	757
193	Gold supported on metal oxides for volatile organic compounds total oxidation. Catalysis Today, 2015, 244, 103-114.	4.4	99
194	Electrochemical oxidation of aniline at mono and bimetallic electrocatalysts supported on carbon nanotubes. Chemical Engineering Journal, 2015, 260, 309-315.	12.7	32
195	The role of O- and S-containing surface groups on carbon nanotubes for the elimination of organic pollutants by catalytic wet air oxidation. Applied Catalysis B: Environmental, 2014, 147, 314-321.	20.2	52
196	Photocatalytic nitrate reduction over Pdâ€“Cu/TiO2. Chemical Engineering Journal, 2014, 251, 123-130.	12.7	88
197	Carbon based materials as novel redox mediators for dye wastewater biodegradation. Applied Catalysis B: Environmental, 2014, 144, 713-720.	20.2	112
198	Catalytic oxidation of ethyl acetate on cerium-containing mixed oxides. Applied Catalysis A: General, 2014, 472, 101-112.	4.3	58

#	Article	IF	Citations
199	Catalytic oxidation of ethyl acetate over La-Co and La-Cu oxides. Journal of Environmental Chemical Engineering, 2014, 2, 344-355.	6.7	37
200	Stabilized gold on cerium-modified cryptomelane: Highly active in low-temperature CO oxidation. Journal of Catalysis, 2014, 309, 58-65.	6.2	83
201	Controlled surface functionalization of multiwall carbon nanotubes by HNO3 hydrothermal oxidation. Carbon, 2014, 69, 311-326.	10.3	95
202	Efficient immobilization of montmorillonite onto cotton textiles through their functionalization with organosilanes. Applied Clay Science, 2014, 101, 304-314.	5.2	18
203	The role of multiwalled carbon nanotubes (MWCNTs) in the catalytic ozonation of atrazine. Chemical Engineering Journal, 2014, 241, 66-76.	12.7	69
204	Ozonation of erythromycin over carbon materials and ceria dispersed on carbon materials. Chemical Engineering Journal, 2014, 250, 366-376.	12.7	36
205	Catalytic performance of heteroatom-modified carbon nanotubes in advanced oxidation processes. Chinese Journal of Catalysis, 2014, 35, 896-905.	14.0	46
206	Potentiation of 5-fluorouracil encapsulated in zeolites as drug delivery systems for in vitro models of colorectal carcinoma. Colloids and Surfaces B: Biointerfaces, 2013, 112, 237-244.	5.0	90
207	Synthesis and functionalization of carbon xerogels to be used as supports for fuel cell catalysts. Journal of Energy Chemistry, 2013, 22, 195-201.	12.9	45
208	Carbon as a catalyst: Esterification of acetic acid with ethanol. Catalysis Today, 2013, 218-219, 51-56.	4.4	28
209	Photoactive Zn(II)Porphyrinâ€“multi-walled carbon nanotubes nanohybrids through covalent Î²-linkages. Materials Chemistry and Physics, 2013, 143, 296-304.	4.0	26
210	Nanoparticle Size and Concentration Dependence of the Electroactive Phase Content and Electrical and Optical Properties of Ag/Poly(vinylidene fluoride) Composites. ChemPhysChem, 2013, 14, 1926-1933.	2.1	54
211	Exotemplated copper, cobalt, iron, lanthanum and nickel oxides for catalytic oxidation of ethyl acetate. Journal of Environmental Chemical Engineering, 2013, 1, 795-804.	6.7	39
212	Catalytic ozonation of organic micropollutants using carbon nanofibers supported on monoliths. Chemical Engineering Journal, 2013, 230, 115-123.	12.7	40
213	Probing the surface chemistry of different oxidized MWCNT for the improved electrical wiring of cytochrome c nitrite reductase. Electrochemistry Communications, 2013, 35, 17-21.	4.7	10
214	The electrochemical mineralization of oxalic and oxamic acids using modified electrodes based on carbon nanotubes. Chemical Engineering Journal, 2013, 228, 374-380.	12.7	12
215	Ceria dispersed on carbon materials for the catalytic ozonation of sulfamethoxazole. Journal of Environmental Chemical Engineering, 2013, 1, 260-269.	6.7	36
216	Spontaneous gold decoration of activated carbons. Inorganica Chimica Acta, 2013, 408, 235-239.	2.4	4

#	Article	IF	Citations
217	Ozonation of sulfamethoxazole promoted by MWCNT. Catalysis Communications, 2013, 35, 82-87.	3.3	52
218	Silica nanoparticles functionalized with a thermochromic dye for textile applications. Journal of Materials Science, 2013, 48, 5085-5092.	3.7	32
219	Ozonation of bezafibrate promoted by carbon materials. Applied Catalysis B: Environmental, 2013, 140-141, 82-91.	20.2	49
220	Lanthanum-based perovskites as catalysts for the ozonation of selected organic compounds. Applied Catalysis B: Environmental, 2013, 140-141, 426-432.	20.2	27
221	Promotional effect of Cu on the structure and chloronitrobenzene hydrogenation performance of carbon nanotube and activated carbon supported Pt catalysts. Applied Catalysis A: General, 2013, 464-465, 28-34.	4.3	24
222	Modified activated carbon as catalyst for NO oxidation. Fuel Processing Technology, 2013, 106, 727-733.	7.2	73
223	Selective Oxidation of Glycerol over Platinum-Based Catalysts Supported on Carbon Nanotubes. Industrial & Engineering Chemistry Research, 2013, 52, 17390-17398.	3.7	33
224	Process design for wastewater treatment: catalytic ozonation of organic pollutants. Water Science and Technology, 2013, 68, 1377-1383.	2.5	23
225	Catalytic ozonation of oxalic acid using carbon nanofibres on macrostructured supports. Water Science and Technology, 2012, 65, 1854-1862.	2.5	23
226	Carbon Xerogel Catalyst for NO Oxidation. Catalysts, 2012, 2, 447-465.	3.5	13
227	Comprehensive Genetic Analysis and Structural Characterization of CYP21A2 Mutations in CAH Patients. Experimental and Clinical Endocrinology and Diabetes, 2012, 120, 535-539.	1.2	12
228	Nitrate reduction over a Pd-Cu/MWCNT catalyst: application to a polluted groundwater. Environmental Technology (United Kingdom), 2012, 33, 2353-2358.	2.2	37
229	Selective Oxidation of Glycerol Catalyzed by Gold Supported on Multiwalled Carbon Nanotubes with Different Surface Chemistries. Industrial & Engineering Chemistry Research, 2012, 51, 15884-15894.	3.7	42
230	The effect of nanotube surface oxidation on the electrical properties of multiwall carbon nanotube/poly(vinylidene fluoride) composites. Journal of Materials Science, 2012, 47, 8103-8111.	3.7	32
231	NO oxidation over nitrogen doped carbon xerogels. Applied Catalysis B: Environmental, 2012, 125, 398-408.	20.2	75
232	Structural and chemical disorder of cryptomelane promoted by alkali doping: Influence on catalytic properties. Journal of Catalysis, 2012, 293, 165-174.	6.2	165
233	Ceria and cerium-based mixed oxides as ozonation catalysts. Chemical Engineering Journal, 2012, 200-202, 499-505.	12.7	74
234	Carbon xerogels and ceriaâ€“carbon xerogel materials as catalysts in the ozonation of organic pollutants. Applied Catalysis B: Environmental, 2012, 126, 22-28.	20.2	33

#	Article	IF	Citations
235	Catalytic ozonation of sulphamethoxazole in the presence of carbon materials: Catalytic performance and reaction pathways. Journal of Hazardous Materials, 2012, 239-240, 167-174.	12.4	141
236	Catalytic ozonation of metolachlor under continuous operation using nanocarbon materials grown on a ceramic monolith. Journal of Hazardous Materials, 2012, 239-240, 249-256.	12.4	42
237	Kinetic Modeling of Nitrate Reduction Catalyzed by Pdâ€“Cu Supported on Carbon Nanotubes. Industrial & Engineering Chemistry Research, 2012, 51, 4854-4860.	3.7	20
238	Porous Texture Versus Surface Chemistry in Applications of Adsorption by Carbons. , 2012, , 471-498.		6
239	Functionalization of textiles with multi-walled carbon nanotubes by a novel dyeing-like process. Journal of Materials Science, 2012, 47, 5263-5275.	3.7	36
240	New insights into the functionalization of multi-walled carbon nanotubes with aniline derivatives. Carbon, 2012, 50, 3280-3294.	10.3	99
241	A thermodynamic approach to assess organic solute adsorption onto activated carbon in water. Carbon, 2012, 50, 3774-3781.	10.3	18
242	Total oxidation of ethyl acetate, ethanol and toluene catalyzed by exotemplated manganese and cerium oxides loaded with gold. Catalysis Today, 2012, 180, 148-154.	4.4	85
243	Comparison between activated carbon, carbon xerogel and carbon nanotubes for the adsorption of the antibiotic ciprofloxacin. Catalysis Today, 2012, 186, 29-34.	4.4	311
244	Ptâ€“Ru catalysts supported on carbon xerogels for PEM fuel cells. International Journal of Hydrogen Energy, 2012, 37, 7200-7211.	7.1	44
245	Highly dispersed ceria on activated carbon for the catalyzed ozonation of organic pollutants. Applied Catalysis B: Environmental, 2012, 113-114, 308-317.	20.2	44
246	Glycerol oxidation with gold supported on carbon xerogels: Tuning selectivities by varying mesopore sizes. Applied Catalysis B: Environmental, 2012, 115-116, 1-6.	20.2	33
247	Evaluation of ion exchange-modified Y and ZSM5 zeolites in Cr(VI) biosorption and catalytic oxidation of ethyl acetate. Applied Catalysis B: Environmental, 2012, 117-118, 406-413.	20.2	46
248	High efficiency of the cylindrical mesopores of MWCNTs for the catalytic wet peroxide oxidation of C.I. Reactive Red 241 dissolved in water. Applied Catalysis B: Environmental, 2012, 121-122, 182-189.	20.2	20
249	Gold supported on carbon nanotubes for the selective oxidation of glycerol. Journal of Catalysis, 2012, 285, 83-91.	6.2	107
250	Effect of support and pre-treatment conditions on Ptâ€“Sn catalysts: Application to nitrate reduction in water. Journal of Colloid and Interface Science, 2012, 369, 294-301.	9.4	22
251	Electrocatalytic oxidation of oxalic and oxamic acids in aqueous media at carbon nanotube modified electrodes. Electrochimica Acta, 2012, 60, 278-286.	5.2	17
252	Supported Pt-particles on multi-walled carbon nanotubes with controlled surface chemistry. Materials Letters, 2012, 66, 64-67.	2.6	6

#	Article	IF	Citations
253	Composites of manganese oxide with carbon materials as catalysts for the ozonation of oxalic acid. Journal of Hazardous Materials, 2012, 213-214, 133-139.	12.4	30
254	Designing Novel Hybrid Materials by One-Pot Co-condensation: From Hydrophobic Mesoporous Silica Nanoparticles to Superamphiphobic Cotton Textiles. ACS Applied Materials & Interfaces, 2011, 3, 2289-2299.	8.0	147
255	Adsorption of ciprofloxacin on surface-modified carbon materials. Water Research, 2011, 45, 4583-4591.	11.3	289
256	Influence of activated carbon surface chemistry on the activity of Au/AC catalysts in glycerol oxidation. Journal of Catalysis, 2011, 281, 119-127.	6.2	101
257	Nitrate reduction in water catalysed by Pdâ€“Cu on different supports. Desalination, 2011, 279, 367-374.	8.2	81
258	Enhancement of the selectivity to dihydroxyacetone in glycerol oxidation using gold nanoparticles supported on carbon nanotubes. Catalysis Communications, 2011, 16, 64-69.	3.3	68
259	Catalytic oxidation of NO to NO2 on N-doped activated carbons. Catalysis Today, 2011, 176, 383-387.	4.4	91
260	Selective Oxidation of Glycerol Catalyzed by Rh/Activated Carbon: Importance of Support Surface Chemistry. Catalysis Letters, 2011, 141, 420-431.	2.6	48
261	Adsorption of dyes on carbon xerogels and templated carbons: influence of surface chemistry. Adsorption, 2011, 17, 431-441.	3.0	50
262	Catalytic activity and stability of multiwalled carbon nanotubes in catalytic wet air oxidation of oxalic acid: The role of the basic nature induced by the surface chemistry. Applied Catalysis B: Environmental, 2011, 104, 330-336.	20.2	76
263	Effect of the carbon nanotube surface characteristics on the conductivity and dielectric constant of carbon nanotube/poly(vinylidene fluoride) composites. Nanoscale Research Letters, 2011, 6, 302.	5.7	50
264	Theoretical and Experimental Studies on the Carbonâ€Nanotube Surface Oxidation by Nitric Acid: Interplay between Functionalization and Vacancy Enlargement. Chemistry - A European Journal, 2011, 17, 11467-11477.	3.3	93
265	Inside Cover: Theoretical and Experimental Studies on the Carbon-Nanotube Surface Oxidation by Nitric Acid: Interplay between Functionalization and Vacancy Enlargement (Chem. Eur. J. 41/2011). Chemistry - A European Journal, 2011, 17, 11354-11354.	3.3	1
266	Ozonation of model organic compounds catalysed by nanostructured cerium oxides. Applied Catalysis B: Environmental, 2011, 103, 190-199.	20.2	116
267	Understanding the silylation reaction of multi-walled carbon nanotubes. Carbon, 2011, 49, 3441-3453.	10.3	55
268	Nitrate reduction with hydrogen in the presence of physical mixtures with mono and bimetallic catalysts and ions in solution. Applied Catalysis B: Environmental, 2011, 102, 424-432.	20.2	58
269	Catalytic ozonation of organic pollutants in the presence of cerium oxideâ€“carbon composites. Applied Catalysis B: Environmental, 2011, 102, 539-546.	20.2	65
270	Mixture effects during the oxidation of toluene, ethyl acetate and ethanol over a cryptomelane catalyst. Journal of Hazardous Materials, 2011, 185, 1236-1240.	12.4	38

#	Article	IF	Citations
271	Reutilization of Cr-Y zeolite obtained by biosorption in the catalytic oxidation of volatile organic compounds. Journal of Hazardous Materials, 2011, 192, 545-553.	12.4	29
272	Adsorption of phenol on supercritically activated carbon fibres: Effect of texture and surface chemistry. Journal of Colloid and Interface Science, 2011, 357, 210-214.	9.4	26
273	Carbon Monoxide Oxidation Catalysed by Exotemplated Manganese Oxides. Catalysis Letters, 2010, 134, 217-227.	2.6	65
274	Nitrate Reduction Catalyzed by Pdâ€“Cu and Ptâ€“Cu Supported on Different Carbon Materials. Catalysis Letters, 2010, 139, 97-104.	2.6	48
275	Exotemplated ceria catalysts with gold for CO oxidation. Applied Catalysis A: General, 2010, 381, 150-160.	4.3	74
276	Thermal modification of activated carbon surface chemistry improves its capacity as redox mediator for azo dye reduction. Journal of Hazardous Materials, 2010, 183, 931-939.	12.4	74
277	Oxidation of CO, ethanol and toluene over TiO2 supported noble metal catalysts. Applied Catalysis B: Environmental, 2010, 99, 198-205.	20.2	221
278	The role of lattice oxygen on the activity of manganese oxides towards the oxidation of volatile organic compounds. Applied Catalysis B: Environmental, 2010, 99, 353-363.	20.2	562
279	The role of surface chemistry in catalysis with carbons. Catalysis Today, 2010, 150, 2-7.	4.4	558
280	Stability of a cryptomelane catalyst in the oxidation of toluene. Catalysis Today, 2010, 154, 308-311.	4.4	22
281	Pdâ€“Cu/AC and Ptâ€“Cu/AC catalysts for nitrate reduction with hydrogen: Influence of calcination and reduction temperatures. Chemical Engineering Journal, 2010, 165, 78-88.	12.7	87
282	Influence of the surface chemistry of multi-walled carbon nanotubes on their activity as ozonation catalysts. Carbon, 2010, 48, 4369-4381.	10.3	176
283	Wet Air Oxidation of Aniline Using Carbon Foams and Fibers Enriched with Nitrogen. Separation Science and Technology, 2010, 45, 1546-1554.	2.5	26
284	Optical Properties of Nanostructures Obtained by Encapsulation of Cation Chromophores in Y Zeolite. Journal of Physical Chemistry C, 2010, 114, 10719-10724.	3.1	16
285	Enhancement of the Dielectric Constant and Thermal Properties of Î±-Poly(vinylidene fluoride)/Zeolite Nanocomposites. Journal of Physical Chemistry C, 2010, 114, 14446-14452.	3.1	28
286	Pdâ^'Cu and Ptâ^'Cu Catalysts Supported on Carbon Nanotubes for Nitrate Reduction in Water. Industrial & Engineering Chemistry Research, 2010, 49, 7183-7192.	3.7	68
287	Synthesis of very highly dispersed platinum catalysts supported on carbon xerogels by the strong electrostatic adsorption method. Journal of Catalysis, 2009, 261, 23-33.	6.2	129
288	Mineralization of Substituted Aromatic Compounds by Ozonation Catalyzed by Cerium Oxide and a Cerium Oxide-activated Carbon Composite. Catalysis Letters, 2009, 127, 195-203.	2.6	19

#	Article	IF	Citations
289	Development of Novel Mesoporous Carbon Materials for the Catalytic Ozonation of Organic Pollutants. Catalysis Letters, 2009, 132, 1-9.	2.6	28
290	Synthesis and Characterization of Manganese Oxide Catalysts for the Total Oxidation of Ethyl Acetate. Topics in Catalysis, 2009, 52, 470-481.	2.8	97
291	Decolourisation of dye solutions by oxidation with H2O2 in the presence of modified activated carbons. Journal of Hazardous Materials, 2009, 162, 736-742.	12.4	157
292	Jacobsen catalyst anchored onto modified carbon xerogel as enantioselective heterogeneous catalyst for alkene epoxidation. Journal of Molecular Catalysis A, 2009, 305, 135-141.	4.8	34
293	Catalytic oxidation of ethyl acetate over a cesium modified cryptomelane catalyst. Applied Catalysis B: Environmental, 2009, 88, 550-556.	20.2	67
294	Activated carbon and ceria catalysts applied to the catalytic ozonation of dyes and textile effluents. Applied Catalysis B: Environmental, 2009, 88, 341-350.	20.2	141
295	Synthesis and characterization of nitrogen-doped carbon xerogels. Carbon, 2009, 47, 2032-2039.	10.3	129
296	Bimetallic catalysts supported on activated carbon for the nitrate reduction in water: Optimization of catalysts composition. Applied Catalysis B: Environmental, 2009, 91, 441-448.	20.2	102
297	Manganese oxide catalysts synthesized by exotemplating for the total oxidation of ethanol. Applied Catalysis B: Environmental, 2009, 93, 30-37.	20.2	109
298	Cerium, manganese and cobalt oxides as catalysts for the ozonation of selected organic compounds. Chemosphere, 2009, 74, 818-824.	8.2	97
299	Mixed Platinumâ^'Manganese Oxide Catalysts for Combustion of Volatile Organic Compounds. Industrial & Engineering Chemistry Research, 2009, 48, 2795-2800.	3.7	13
300	Preparation and characterization of poly[Ni(salen)(crown receptor)]/multi-walled carbon nanotube composite films. Electrochimica Acta, 2008, 53, 6722-6731.	5.2	30
301	Activated Carbon Supported Metal Catalysts for Nitrate and Nitrite Reduction in Water. Catalysis Letters, 2008, 126, 253-260.	2.6	107
302	Tuning of texture and surface chemistry of carbon xerogels. Journal of Colloid and Interface Science, 2008, 324, 150-155.	9.4	81
303	Pore tuned activated carbons as supports for an enantioselective molecular catalyst. Journal of Colloid and Interface Science, 2008, 328, 314-323.	9.4	22
304	Catalytic ozonation of sulfonated aromatic compounds in the presence of activated carbon. Applied Catalysis B: Environmental, 2008, 83, 150-159.	20.2	84
305	Adsorption of aromatic compounds from the biodegradation of azo dyes on activated carbon. Applied Surface Science, 2008, 254, 3497-3503.	6.1	37
306	MWCNT activation and its influence on the catalytic performance of Pt/MWCNT catalysts for selective hydrogenation. Carbon, 2008, 46, 1194-1207.	10.3	172

#	Article	IF	Citations
307	Characterization of the surface chemistry of carbon materials by potentiometric titrations and temperature-programmed desorption. Carbon, 2008, 46, 1544-1555.	10.3	162
308	Selective hydrogenation of cinnamaldehyde to cinnamyl alcohol over mesoporous carbon supported Fe and Zn promoted Pt catalyst. Applied Catalysis A: General, 2008, 339, 159-168.	4.3	104
309	Activated carbon catalytic ozonation of oxamic and oxalic acids. Applied Catalysis B: Environmental, 2008, 79, 237-243.	20.2	257
310	A novel ceriaâ€“activated carbon composite for the catalytic ozonation of carboxylic acids. Catalysis Communications, 2008, 9, 2121-2126.	3.3	103
311	Ozonation of aniline promoted by activated carbon. Chemosphere, 2007, 67, 809-815.	8.2	96
312	Characterization of Active Sites on Carbon Catalysts. Industrial & Engineering Chemistry Research, 2007, 46, 4110-4115.	3.7	308
313	Ozonation of Textile Effluents and Dye Solutions in the Presence of Activated Carbon under Continuous Operation. Separation Science and Technology, 2007, 42, 1477-1492.	2.5	23
314	Methane dry reforming on Ni loaded hydroxyapatite and fluoroapatite. Applied Catalysis A: General, 2007, 317, 299-309.	4.3	133
315	Feedstock recycling of polyethylene over AlTUD-1 mesoporous catalyst. Polymer Degradation and Stability, 2007, 92, 1513-1519.	5.8	30
316	Anchoring of a [Mn(salen)Cl] complex onto mesoporous carbon xerogels. Journal of Colloid and Interface Science, 2007, 311, 152-158.	9.4	42
317	Ozone Decomposition in Water Catalyzed by Activated Carbon:Â Influence of Chemical and Textural Properties. Industrial & Engineering Chemistry Research, 2006, 45, 2715-2721.	3.7	99
318	Ozonation of textile effluents and dye solutions under continuous operation: Influence of operating parameters. Journal of Hazardous Materials, 2006, 137, 1664-1673.	12.4	108
319	The influence of activated carbon surface properties on the adsorption of the herbicide molinate and the bio-regeneration of the adsorbent. Journal of Hazardous Materials, 2006, 138, 343-349.	12.4	53
320	Development of carbon nanotube and carbon xerogel supported catalysts for the electro-oxidation of methanol in fuel cells. Carbon, 2006, 44, 2516-2522.	10.3	68
321	Adsorption of simple aromatic compounds on activated carbons. Journal of Colloid and Interface Science, 2006, 293, 128-136.	9.4	236
322	Adsorption of a reactive dye on chemically modified activated carbonsâ€”Influence of pH. Journal of Colloid and Interface Science, 2006, 296, 480-489.	9.4	265
323	Highly dispersed platinum catalysts prepared by impregnation of texture-tailored carbon xerogels. Journal of Catalysis, 2006, 240, 160-171.	6.2	89
324	Tensile and impact behavior of polypropylene/low density polyethylene blends. Polymer Testing, 2005, 24, 468-473.	4.8	120

#	Article	IF	Citations
325	Sorption of pentachlorophenol on pine bark. Chemosphere, 2005, 60, 1095-1102.	8.2	42
326	Mineralisation of coloured aqueous solutions by ozonation in the presence of activated carbon. Water Research, 2005, 39, 1461-1470.	11.3	104
327	Application of pine bark as a sorbent for organic pollutants in effluents. Management of Environmental Quality, 2004, 15, 491-501.	4.3	27
328	Influence of the textural properties of an activated carbon catalyst on the oxidative dehydrogenation of ethylbenzene. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 241, 165-171.	4.7	27
329	Surface activation of a polymer based carbon. Carbon, 2004, 42, 1321-1325.	10.3	80
330	Catalytic activity of carbon nanotubes in the oxidative dehydrogenation of ethylbenzene. Carbon, 2004, 42, 2807-2813.	10.3	150
331	Adsorption of anionic and cationic dyes on activated carbons with different surface chemistries. Water Research, 2004, 38, 2043-2052.	11.3	655
332	Adsorption of dyes on activated carbons: influence of surface chemical groups. Carbon, 2003, 41, 811-821.	10.3	492
333	Highly dispersed activated carbon supported platinum catalysts prepared by OMCVD: a comparison with wet impregnated catalysts. Applied Catalysis A: General, 2003, 243, 357-365.	4.3	39
334	Oxidative dehydrogenation of ethylbenzene on activated carbon fibers. Carbon, 2002, 40, 2393-2401.	10.3	39
335	Oxidative dehydrogenation of ethylbenzene on activated carbon catalysts. Applied Catalysis A: General, 2001, 218, 307-318.	4.3	98
336	The effects of different activated carbon supports and support modifications on the properties of Pt/AC catalysts. Carbon, 2001, 39, 175-185.	10.3	234
337	Oxidative dehydrogenation of ethylbenzene on activated carbon catalysts. Applied Catalysis A: General, 2000, 196, 43-54.	4.3	82
338	Oxidative dehydrogenation of ethylbenzene on activated carbon catalysts. I. Influence of surface chemical groups. Applied Catalysis A: General, 1999, 184, 153-160.	4.3	240
339	Modification of the surface chemistry of activated carbons. Carbon, 1999, 37, 1379-1389.	10.3	2,642
340	Chapter 3. Novel carbon materials modified with heteroatoms as metal-free catalyst and metal catalyst support. Catalysis, 0, , 72-108.	1.0	11
341	Performance of self-cleaning cotton textiles coated with TiO2, TiO2-SiO2 and TiO2-SiO2-HY in removing Rhodamine B and Reactive Red 120 dyes from aqueous solutions. , 0, 223, 447-455.		5