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	Modification of the surface chemistry of activated carbons. Carbon, 1999, 37, 1379-1389.	10.3	2,642
2	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
3	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
4	Adsorption of anionic and cationic dyes on activated carbons with different surface chemistries. Water Research, 2004, 38, 2043-2052.	11.3	655
5	A review on environmental monitoring of water organic pollutants identified by EU guidelines. Journal of Hazardous Materials, 2018, 344, 146-162.	12.4	589
6	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
7	The role of surface chemistry in catalysis with carbons. Catalysis Today, 2010, 150, 2-7.	4.4	558
8	Adsorption of dyes on activated carbons: influence of surface chemical groups. Carbon, 2003, 41, 811-821.	10.3	492
9	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
10	Characterization of Active Sites on Carbon Catalysts. Industrial & Engineering Chemistry Research, 2007, 46, 4110-4115.	3.7	308
11	Adsorption of ciprofloxacin on surface-modified carbon materials. Water Research, 2011, 45, 4583-4591.	11.3	289
12	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
13	Activated carbon catalytic ozonation of oxamic and oxalic acids. Applied Catalysis B: Environmental, 2008, 79, 237-243.	20.2	257
14	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
15	Adsorption of simple aromatic compounds on activated carbons. Journal of Colloid and Interface Science, 2006, 293, 128-136.	9.4	236
16	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
17	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
18	Oxidation of CO, ethanol and toluene over TiO2 supported noble metal catalysts. Applied Catalysis B: Environmental, 2010, 99, 198-205.	20.2	221

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19	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
20	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
21	Influence of the surface chemistry of multi-walled carbon nanotubes on their activity as ozonation catalysts. Carbon, 2010, 48, 4369-4381.	10.3	176
22	MWCNT activation and its influence on the catalytic performance of Pt/MWCNT catalysts for selective hydrogenation. Carbon, 2008, 46, 1194-1207.	10.3	172
23	Structural and chemical disorder of cryptomelane promoted by alkali doping: Influence on catalytic properties. Journal of Catalysis, 2012, 293, 165-174.	6.2	165
24	Characterization of the surface chemistry of carbon materials by potentiometric titrations and temperature-programmed desorption. Carbon, 2008, 46, 1544-1555.	10.3	162
25	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
26	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
27	Catalytic activity of carbon nanotubes in the oxidative dehydrogenation of ethylbenzene. Carbon, 2004, 42, 2807-2813.	10.3	150
28	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
29	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
30	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
31	Methane dry reforming on Ni loaded hydroxyapatite and fluoroapatite. Applied Catalysis A: General, 2007, 317, 299-309.	4.3	133
32	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
33	Synthesis and characterization of nitrogen-doped carbon xerogels. Carbon, 2009, 47, 2032-2039.	10.3	129
34	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
35	Tensile and impact behavior of polypropylene/low density polyethylene blends. Polymer Testing, 2005, 24, 468-473.	4.8	120
36	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

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37	Ozonation of model organic compounds catalysed by nanostructured cerium oxides. Applied Catalysis B: Environmental, 2011, 103, 190-199.	20.2	116
38	Carbon based materials as novel redox mediators for dye wastewater biodegradation. Applied Catalysis B: Environmental, 2014, 144, 713-720.	20.2	112
39	Easy method to prepare N-doped carbon nanotubes by ball milling. Carbon, 2015, 91, 114-121.	10.3	111
40	Manganese oxide catalysts synthesized by exotemplating for the total oxidation of ethanol. Applied Catalysis B: Environmental, 2009, 93, 30-37.	20.2	109
41	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
42	Activated Carbon Supported Metal Catalysts for Nitrate and Nitrite Reduction in Water. Catalysis Letters, 2008, 126, 253-260.	2.6	107
43	Gold supported on carbon nanotubes for the selective oxidation of glycerol. Journal of Catalysis, 2012, 285, 83-91.	6.2	107
44	Mineralisation of coloured aqueous solutions by ozonation in the presence of activated carbon. Water Research, 2005, 39, 1461-1470.	11.3	104
45	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
46	A novel ceriaâ€“activated carbon composite for the catalytic ozonation of carboxylic acids. Catalysis Communications, 2008, 9, 2121-2126.	3.3	103
47	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
48	Hydrothermal functionalization of ordered mesoporous carbons: The effect of boron on supercapacitor performance. Carbon, 2015, 95, 72-83.	10.3	102
49	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
50	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
51	New insights into the functionalization of multi-walled carbon nanotubes with aniline derivatives. Carbon, 2012, 50, 3280-3294.	10.3	99
52	Gold supported on metal oxides for volatile organic compounds total oxidation. Catalysis Today, 2015, 244, 103-114.	4.4	99
53	p-Nitrophenol degradation by heterogeneous Fentonâ€™s oxidation over activated carbon-based catalysts. Applied Catalysis B: Environmental, 2017, 219, 109-122.	20.2	99
54	Oxidative dehydrogenation of ethylbenzene on activated carbon catalysts. Applied Catalysis A: General, 2001, 218, 307-318.	4.3	98

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55	Synthesis and Characterization of Manganese Oxide Catalysts for the Total Oxidation of Ethyl Acetate. Topics in Catalysis, 2009, 52, 470-481.	2.8	97
56	Cerium, manganese and cobalt oxides as catalysts for the ozonation of selected organic compounds. Chemosphere, 2009, 74, 818-824.	8.2	97
57	Ozonation of aniline promoted by activated carbon. Chemosphere, 2007, 67, 809-815.	8.2	96
58	Controlled surface functionalization of multiwall carbon nanotubes by HNO3 hydrothermal oxidation. Carbon, 2014, 69, 311-326.	10.3	95
59	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
60	Aging assessment of microplastics (LDPE, PET and uPVC) under urban environment stressors. Science of the Total Environment, 2021, 796, 148914.	8.0	93
61	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
62	Catalytic oxidation of NO to NO2 on N-doped activated carbons. Catalysis Today, 2011, 176, 383-387.	4.4	91
63	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
64	Enhanced direct production of sorbitol by cellulose ball-milling. Green Chemistry, 2015, 17, 2973-2980.	9.0	90
65	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
66	Highly dispersed platinum catalysts prepared by impregnation of texture-tailored carbon xerogels. Journal of Catalysis, 2006, 240, 160-171.	6.2	89
67	Photocatalytic nitrate reduction over Pdâ€“Cu/TiO2. Chemical Engineering Journal, 2014, 251, 123-130.	12.7	88
68	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
69	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
70	Catalytic ozonation of sulfonated aromatic compounds in the presence of activated carbon. Applied Catalysis B: Environmental, 2008, 83, 150-159.	20.2	84
71	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
72	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

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73	Stabilized gold on cerium-modified cryptomelane: Highly active in low-temperature CO oxidation. Journal of Catalysis, 2014, 309, 58-65.	6.2	83
74	Tuning the surface chemistry of graphene flakes: new strategies for selective oxidation. RSC Advances, 2017, 7, 14290-14301.	3.6	83
75	Towards Controlled Degradation of Poly(lactic) Acid in Technical Applications. Journal of Carbon Research, 2021, 7, 42.	2.7	83
76	Oxidative dehydrogenation of ethylbenzene on activated carbon catalysts. Applied Catalysis A: General, 2000, 196, 43-54.	4.3	82
77	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
78	Tuning of texture and surface chemistry of carbon xerogels. Journal of Colloid and Interface Science, 2008, 324, 150-155.	9.4	81
79	Nitrate reduction in water catalysed by Pdâ€“Cu on different supports. Desalination, 2011, 279, 367-374.	8.2	81
80	Surface activation of a polymer based carbon. Carbon, 2004, 42, 1321-1325.	10.3	80
81	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
82	NO oxidation over nitrogen doped carbon xerogels. Applied Catalysis B: Environmental, 2012, 125, 398-408.	20.2	75
83	Exotemplated ceria catalysts with gold for CO oxidation. Applied Catalysis A: General, 2010, 381, 150-160.	4.3	74
84	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
85	Ceria and cerium-based mixed oxides as ozonation catalysts. Chemical Engineering Journal, 2012, 200-202, 499-505.	12.7	74
86	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
87	Modified activated carbon as catalyst for NO oxidation. Fuel Processing Technology, 2013, 106, 727-733.	7.2	73
88	Microplastics in the environment: A DPSIR analysis with focus on the responses. Science of the Total Environment, 2020, 718, 134968.	8.0	70
89	The role of multiwalled carbon nanotubes (MWCNTs) in the catalytic ozonation of atrazine. Chemical Engineering Journal, 2014, 241, 66-76.	12.7	69
90	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

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91	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
92	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
93	Catalytic oxidation of ethyl acetate over a cesium modified cryptomelane catalyst. Applied Catalysis B: Environmental, 2009, 88, 550-556.	20.2	67
94	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
95	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
96	Carbon Monoxide Oxidation Catalysed by Exotemplated Manganese Oxides. Catalysis Letters, 2010, 134, 217-227.	2.6	65
97	Catalytic ozonation of organic pollutants in the presence of cerium oxideâ€"carbon composites. Applied Catalysis B: Environmental, 2011, 102, 539-546.	20.2	65
98	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
99	Nitrogen-doped graphene-based materials for advanced oxidation processes. Catalysis Today, 2015, 249, 192-198.	4.4	62
100	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
101	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
102	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
103	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
104	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
105	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
106	Catalytic oxidation of ethyl acetate on cerium-containing mixed oxides. Applied Catalysis A: General, 2014, 472, 101-112.	4.3	58
107	Understanding the silylation reaction of multi-walled carbon nanotubes. Carbon, 2011, 49, 3441-3453.	10.3	55
108	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

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109	Metal assessment for the catalytic reduction of bromate in water under hydrogen. Chemical Engineering Journal, 2015, 263, 119-126.	12.7	54
110	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
111	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
112	Screen-Printed Photochromic Textiles through New Inks Based on SiO₂@naphthopyran Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 28935-28945.	8.0	53
113	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
114	Ozonation of sulfamethoxazole promoted by MWCNT. Catalysis Communications, 2013, 35, 82-87.	3.3	52
115	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
116	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
117	Adsorption of dyes on carbon xerogels and templated carbons: influence of surface chemistry. Adsorption, 2011, 17, 431-441.	3.0	50
118	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
119	Ozonation of bezafibrate promoted by carbon materials. Applied Catalysis B: Environmental, 2013, 140-141, 82-91.	20.2	49
120	Nitrate Reduction Catalyzed by Pdâ€“Cu and Ptâ€“Cu Supported on Different Carbon Materials. Catalysis Letters, 2010, 139, 97-104.	2.6	48
121	Selective Oxidation of Glycerol Catalyzed by Rh/Activated Carbon: Importance of Support Surface Chemistry. Catalysis Letters, 2011, 141, 420-431.	2.6	48
122	Modification of carbon nanotubes by ball-milling to be used as ozonation catalysts. Catalysis Today, 2015, 249, 199-203.	4.4	48
123	Nitrogen-doped carbon xerogels as catalysts for advanced oxidation processes. Catalysis Today, 2015, 241, 73-79.	4.4	48
124	Oxygen surface groups analysis of carbonaceous samples pyrolysed at low temperature. Carbon, 2018, 134, 255-263.	10.3	48
125	Carbon nanofibers doped with nitrogen for the continuous catalytic ozonation of organic pollutants. Chemical Engineering Journal, 2016, 293, 102-111.	12.7	47
126	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

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127	Catalytic performance of heteroatom-modified carbon nanotubes in advanced oxidation processes. Chinese Journal of Catalysis, 2014, 35, 896-905.	14.0	46
128	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
129	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
130	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
131	Ptâ€“Ru catalysts supported on carbon xerogels for PEM fuel cells. International Journal of Hydrogen Energy, 2012, 37, 7200-7211.	7.1	44
132	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
133	Highly efficient reduction of bromate to bromide over mono and bimetallic ZSM5 catalysts. Green Chemistry, 2015, 17, 4247-4254.	9.0	44
134	CoMn-LDH@carbon nanotube composites: Bifunctional electrocatalysts for oxygen reactions. Catalysis Today, 2018, 301, 17-24.	4.4	44
135	Sorption of pentachlorophenol on pine bark. Chemosphere, 2005, 60, 1095-1102.	8.2	42
136	Anchoring of a [Mn(salen)Cl] complex onto mesoporous carbon xerogels. Journal of Colloid and Interface Science, 2007, 311, 152-158.	9.4	42
137	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
138	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
139	Direct conversion of cellulose to sorbitol over ruthenium catalysts: Influence of the support. Catalysis Today, 2017, 279, 244-251.	4.4	41
140	Catalytic reduction of bromate over monometallic catalysts on different powder and structured supports. Chemical Engineering Journal, 2017, 309, 197-205.	12.7	41
141	Photocatalytic ozonation of aniline with TiO2-carbon composite materials. Journal of Environmental Management, 2017, 195, 208-215.	7.8	41
142	Sulfamethoxazole degradation by combination of advanced oxidation processes. Journal of Environmental Chemical Engineering, 2018, 6, 4054-4060.	6.7	41
143	Engaging nanoporous carbons in â€œbeyond adsorptionâ€•applications: Characterization, challenges and performance. Carbon, 2020, 164, 69-84.	10.3	41
144	Catalytic ozonation of organic micropollutants using carbon nanofibers supported on monoliths. Chemical Engineering Journal, 2013, 230, 115-123.	12.7	40

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145	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
146	Oxidative dehydrogenation of ethylbenzene on activated carbon fibers. Carbon, 2002, 40, 2393-2401.	10.3	39
147	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
148	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
149	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
150	Cooperative action of heteropolyacids and carbon supported Ru catalysts for the conversion of cellulose. Catalysis Today, 2018, 301, 65-71.	4.4	39
151	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
152	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
153	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
154	Adsorption of aromatic compounds from the biodegradation of azo dyes on activated carbon. Applied Surface Science, 2008, 254, 3497-3503.	6.1	37
155	Nitrate reduction over a Pd-Cu/MWCNT catalyst: application to a polluted groundwater. Environmental Technology (United Kingdom), 2012, 33, 2353-2358.	2.2	37
156	Catalytic oxidation of ethyl acetate over La-Co and La-Cu oxides. Journal of Environmental Chemical Engineering, 2014, 2, 344-355.	6.7	37
157	Photocatalytic-assisted ozone degradation of metolachlor aqueous solution. Chemical Engineering Journal, 2017, 318, 247-253.	12.7	37
158	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
159	Ceria dispersed on carbon materials for the catalytic ozonation of sulfamethoxazole. Journal of Environmental Chemical Engineering, 2013, 1, 260-269.	6.7	36
160	Ozonation of erythromycin over carbon materials and ceria dispersed on carbon materials. Chemical Engineering Journal, 2014, 250, 366-376.	12.7	36
161	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
162	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

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163	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
164	Sucrose-derived activated carbons: electron transfer properties and application as oxygen reduction electrocatalysts. RSC Advances, 2015, 5, 102919-102931.	3.6	35
165	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
166	Oxidative dehydrogenation of isobutane on carbon xerogel catalysts. Catalysis Today, 2015, 249, 176-183.	4.4	34
167	Naphthopyran-Based Silica Nanoparticles as New High-Performance Photoresponsive Materials. ACS Applied Materials & Interfaces, 2016, 8, 7221-7231.	8.0	34
168	Direct catalytic production of sorbitol from waste cellulosic materials. Bioresource Technology, 2017, 232, 152-158.	9.6	34
169	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
170	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
171	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
172	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
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