

Manuel Fernando R Pereira

List of Publications by Year in descending order

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341
papers

23,637
citations

7069

78
h-index

10424

139
g-index

348
all docs

348
docs citations

348
times ranked

21234
citing authors

#	ARTICLE	IF	CITATIONS
1	Modification of the surface chemistry of activated carbons. Carbon, 1999, 37, 1379-1389.	5.4	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.	4.8	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.	5.3	698
4	Adsorption of anionic and cationic dyes on activated carbons with different surface chemistries. Water Research, 2004, 38, 2043-2052.	5.3	655
5	A review on environmental monitoring of water organic pollutants identified by EU guidelines. Journal of Hazardous Materials, 2018, 344, 146-162.	6.5	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.	10.8	562
7	The role of surface chemistry in catalysis with carbons. Catalysis Today, 2010, 150, 2-7.	2.2	558
8	Adsorption of dyes on activated carbons: influence of surface chemical groups. Carbon, 2003, 41, 811-821.	5.4	492
9	Comparison between activated carbon, carbon xerogel and carbon nanotubes for the adsorption of the antibiotic ciprofloxacin. Catalysis Today, 2012, 186, 29-34.	2.2	311
10	Characterization of Active Sites on Carbon Catalysts. Industrial & Engineering Chemistry Research, 2007, 46, 4110-4115.	1.8	308
11	Adsorption of ciprofloxacin on surface-modified carbon materials. Water Research, 2011, 45, 4583-4591.	5.3	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.	5.0	265
13	Activated carbon catalytic ozonation of oxamic and oxalic acids. Applied Catalysis B: Environmental, 2008, 79, 237-243.	10.8	257
14	Oxidative dehydrogenation of ethylbenzene on activated carbon catalysts. I. Influence of surface chemical groups. Applied Catalysis A: General, 1999, 184, 153-160.	2.2	240
15	Adsorption of simple aromatic compounds on activated carbons. Journal of Colloid and Interface Science, 2006, 293, 128-136.	5.0	236
16	The effects of different activated carbon supports and support modifications on the properties of Pt/AC catalysts. Carbon, 2001, 39, 175-185.	5.4	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.	5.3	222
18	Oxidation of CO, ethanol and toluene over TiO2 supported noble metal catalysts. Applied Catalysis B: Environmental, 2010, 99, 198-205.	10.8	221

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19	Photocatalytic ozonation of urban wastewater and surface water using immobilized TiO ₂ with LEDs: Micropollutants, antibiotic resistance genes and estrogenic activity. <i>Water Research</i> , 2016, 94, 10-22.	5.3	185
20	Ozonation and UV254nm radiation for the removal of microorganisms and antibiotic resistance genes from urban wastewater. <i>Journal of Hazardous Materials</i> , 2017, 323, 434-441.	6.5	179
21	Influence of the surface chemistry of multi-walled carbon nanotubes on their activity as ozonation catalysts. <i>Carbon</i> , 2010, 48, 4369-4381.	5.4	176
22	MWCNT activation and its influence on the catalytic performance of Pt/MWCNT catalysts for selective hydrogenation. <i>Carbon</i> , 2008, 46, 1194-1207.	5.4	172
23	Structural and chemical disorder of cryptomelane promoted by alkali doping: Influence on catalytic properties. <i>Journal of Catalysis</i> , 2012, 293, 165-174.	3.1	165
24	Characterization of the surface chemistry of carbon materials by potentiometric titrations and temperature-programmed desorption. <i>Carbon</i> , 2008, 46, 1544-1555.	5.4	162
25	Decolourisation of dye solutions by oxidation with H ₂ O ₂ in the presence of modified activated carbons. <i>Journal of Hazardous Materials</i> , 2009, 162, 736-742.	6.5	157
26	Fast mineralization and detoxification of amoxicillin and diclofenac by photocatalytic ozonation and application to an urban wastewater. <i>Water Research</i> , 2015, 87, 87-96.	5.3	153
27	Catalytic activity of carbon nanotubes in the oxidative dehydrogenation of ethylbenzene. <i>Carbon</i> , 2004, 42, 2807-2813.	5.4	150
28	Designing Novel Hybrid Materials by One-Pot Co-condensation: From Hydrophobic Mesoporous Silica Nanoparticles to Superamphiphobic Cotton Textiles. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2289-2299.	4.0	147
29	Activated carbon and ceria catalysts applied to the catalytic ozonation of dyes and textile effluents. <i>Applied Catalysis B: Environmental</i> , 2009, 88, 341-350.	10.8	141
30	Catalytic ozonation of sulphamethoxazole in the presence of carbon materials: Catalytic performance and reaction pathways. <i>Journal of Hazardous Materials</i> , 2012, 239-240, 167-174.	6.5	141
31	Methane dry reforming on Ni loaded hydroxyapatite and fluoroapatite. <i>Applied Catalysis A: General</i> , 2007, 317, 299-309.	2.2	133
32	Synthesis of very highly dispersed platinum catalysts supported on carbon xerogels by the strong electrostatic adsorption method. <i>Journal of Catalysis</i> , 2009, 261, 23-33.	3.1	129
33	Synthesis and characterization of nitrogen-doped carbon xerogels. <i>Carbon</i> , 2009, 47, 2032-2039.	5.4	129
34	Catalytic oxidation of toluene on Ce-Co and La-Co mixed oxides synthesized by exotemplating and evaporation methods. <i>Catalysis Today</i> , 2015, 244, 161-171.	2.2	129
35	Tensile and impact behavior of polypropylene/low density polyethylene blends. <i>Polymer Testing</i> , 2005, 24, 468-473.	2.3	120
36	Monitoring of the 17 EU Watch List contaminants of emerging concern in the Ave and the Sousa Rivers. <i>Science of the Total Environment</i> , 2019, 649, 1083-1095.	3.9	120

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37	Ozonation of model organic compounds catalysed by nanostructured cerium oxides. Applied Catalysis B: Environmental, 2011, 103, 190-199.	10.8	116
38	Carbon based materials as novel redox mediators for dye wastewater biodegradation. Applied Catalysis B: Environmental, 2014, 144, 713-720.	10.8	112
39	Easy method to prepare N-doped carbon nanotubes by ball milling. Carbon, 2015, 91, 114-121.	5.4	111
40	Manganese oxide catalysts synthesized by exotemplating for the total oxidation of ethanol. Applied Catalysis B: Environmental, 2009, 93, 30-37.	10.8	109
41	Ozonation of textile effluents and dye solutions under continuous operation: Influence of operating parameters. Journal of Hazardous Materials, 2006, 137, 1664-1673.	6.5	108
42	Activated Carbon Supported Metal Catalysts for Nitrate and Nitrite Reduction in Water. Catalysis Letters, 2008, 126, 253-260.	1.4	107
43	Gold supported on carbon nanotubes for the selective oxidation of glycerol. Journal of Catalysis, 2012, 285, 83-91.	3.1	107
44	Mineralisation of coloured aqueous solutions by ozonation in the presence of activated carbon. Water Research, 2005, 39, 1461-1470.	5.3	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.	2.2	104
46	A novel ceria-activated carbon composite for the catalytic ozonation of carboxylic acids. Catalysis Communications, 2008, 9, 2121-2126.	1.6	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.	10.8	102
48	Hydrothermal functionalization of ordered mesoporous carbons: The effect of boron on supercapacitor performance. Carbon, 2015, 95, 72-83.	5.4	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.	3.1	101
50	Ozone Decomposition in Water Catalyzed by Activated Carbon: Influence of Chemical and Textural Properties. Industrial & Engineering Chemistry Research, 2006, 45, 2715-2721.	1.8	99
51	New insights into the functionalization of multi-walled carbon nanotubes with aniline derivatives. Carbon, 2012, 50, 3280-3294.	5.4	99
52	Gold supported on metal oxides for volatile organic compounds total oxidation. Catalysis Today, 2015, 244, 103-114.	2.2	99
53	p-Nitrophenol degradation by heterogeneous Fenton's oxidation over activated carbon-based catalysts. Applied Catalysis B: Environmental, 2017, 219, 109-122.	10.8	99
54	Oxidative dehydrogenation of ethylbenzene on activated carbon catalysts. Applied Catalysis A: General, 2001, 218, 307-318.	2.2	98

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55	Synthesis and Characterization of Manganese Oxide Catalysts for the Total Oxidation of Ethyl Acetate. <i>Topics in Catalysis</i> , 2009, 52, 470-481.	1.3	97
56	Cerium, manganese and cobalt oxides as catalysts for the ozonation of selected organic compounds. <i>Chemosphere</i> , 2009, 74, 818-824.	4.2	97
57	Ozonation of aniline promoted by activated carbon. <i>Chemosphere</i> , 2007, 67, 809-815.	4.2	96
58	Controlled surface functionalization of multiwall carbon nanotubes by HNO ₃ hydrothermal oxidation. <i>Carbon</i> , 2014, 69, 311-326.	5.4	95
59	Theoretical and Experimental Studies on the Carbon-Nanotube Surface Oxidation by Nitric Acid: Interplay between Functionalization and Vacancy Enlargement. <i>Chemistry - A European Journal</i> , 2011, 17, 11467-11477.	1.7	93
60	Aging assessment of microplastics (LDPE, PET and uPVC) under urban environment stressors. <i>Science of the Total Environment</i> , 2021, 796, 148914.	3.9	93
61	Electrochemical Exfoliation of Graphite in Aqueous Sodium Halide Electrolytes toward Low Oxygen Content Graphene for Energy and Environmental Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24085-24099.	4.0	92
62	Catalytic oxidation of NO to NO ₂ on N-doped activated carbons. <i>Catalysis Today</i> , 2011, 176, 383-387.	2.2	91
63	Potential of 5-fluorouracil encapsulated in zeolites as drug delivery systems for in vitro models of colorectal carcinoma. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, 237-244.	2.5	90
64	Enhanced direct production of sorbitol by cellulose ball-milling. <i>Green Chemistry</i> , 2015, 17, 2973-2980.	4.6	90
65	Highly active N-doped carbon nanotubes prepared by an easy ball milling method for advanced oxidation processes. <i>Applied Catalysis B: Environmental</i> , 2016, 192, 296-303.	10.8	90
66	Highly dispersed platinum catalysts prepared by impregnation of texture-tailored carbon xerogels. <i>Journal of Catalysis</i> , 2006, 240, 160-171.	3.1	89
67	Photocatalytic nitrate reduction over Pd-Cu/TiO ₂ . <i>Chemical Engineering Journal</i> , 2014, 251, 123-130.	6.6	88
68	Pd-Cu/AC and Pt-Cu/AC catalysts for nitrate reduction with hydrogen: Influence of calcination and reduction temperatures. <i>Chemical Engineering Journal</i> , 2010, 165, 78-88.	6.6	87
69	Total oxidation of ethyl acetate, ethanol and toluene catalyzed by exotemplated manganese and cerium oxides loaded with gold. <i>Catalysis Today</i> , 2012, 180, 148-154.	2.2	85
70	Catalytic ozonation of sulfonated aromatic compounds in the presence of activated carbon. <i>Applied Catalysis B: Environmental</i> , 2008, 83, 150-159.	10.8	84
71	N/S-doped graphene derivatives and TiO ₂ for catalytic ozonation and photocatalysis of water pollutants. <i>Chemical Engineering Journal</i> , 2018, 348, 888-897.	6.6	84
72	Environmental impact assessment of advanced urban wastewater treatment technologies for the removal of priority substances and contaminants of emerging concern: A review. <i>Journal of Cleaner Production</i> , 2020, 261, 121078.	4.6	84

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73	Stabilized gold on cerium-modified cryptomelane: Highly active in low-temperature CO oxidation. <i>Journal of Catalysis</i> , 2014, 309, 58-65.	3.1	83
74	Tuning the surface chemistry of graphene flakes: new strategies for selective oxidation. <i>RSC Advances</i> , 2017, 7, 14290-14301.	1.7	83
75	Towards Controlled Degradation of Poly(lactic) Acid in Technical Applications. <i>Journal of Carbon Research</i> , 2021, 7, 42.	1.4	83
76	Oxidative dehydrogenation of ethylbenzene on activated carbon catalysts. <i>Applied Catalysis A: General</i> , 2000, 196, 43-54.	2.2	82
77	Carbon supported Ru-Ni bimetallic catalysts for the enhanced one-pot conversion of cellulose to sorbitol. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 265-274.	10.8	82
78	Tuning of texture and surface chemistry of carbon xerogels. <i>Journal of Colloid and Interface Science</i> , 2008, 324, 150-155.	5.0	81
79	Nitrate reduction in water catalysed by Pd-Cu on different supports. <i>Desalination</i> , 2011, 279, 367-374.	4.0	81
80	Surface activation of a polymer based carbon. <i>Carbon</i> , 2004, 42, 1321-1325.	5.4	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. <i>Applied Catalysis B: Environmental</i> , 2011, 104, 330-336.	10.8	76
82	NO oxidation over nitrogen doped carbon xerogels. <i>Applied Catalysis B: Environmental</i> , 2012, 125, 398-408.	10.8	75
83	Exotemplated ceria catalysts with gold for CO oxidation. <i>Applied Catalysis A: General</i> , 2010, 381, 150-160.	2.2	74
84	Thermal modification of activated carbon surface chemistry improves its capacity as redox mediator for azo dye reduction. <i>Journal of Hazardous Materials</i> , 2010, 183, 931-939.	6.5	74
85	Ceria and cerium-based mixed oxides as ozonation catalysts. <i>Chemical Engineering Journal</i> , 2012, 200-202, 499-505.	6.6	74
86	Photocatalytic degradation of Rhodamine B dye by cotton textile coated with SiO ₂ -TiO ₂ and SiO ₂ -TiO ₂ -HY composites. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 346, 60-69.	2.0	74
87	Modified activated carbon as catalyst for NO oxidation. <i>Fuel Processing Technology</i> , 2013, 106, 727-733.	3.7	73
88	Microplastics in the environment: A DPSIR analysis with focus on the responses. <i>Science of the Total Environment</i> , 2020, 718, 134968.	3.9	70
89	The role of multiwalled carbon nanotubes (MWCNTs) in the catalytic ozonation of atrazine. <i>Chemical Engineering Journal</i> , 2014, 241, 66-76.	6.6	69
90	Development of carbon nanotube and carbon xerogel supported catalysts for the electro-oxidation of methanol in fuel cells. <i>Carbon</i> , 2006, 44, 2516-2522.	5.4	68

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91	Pd ⁰ /Cu and Pt ⁰ /Cu Catalysts Supported on Carbon Nanotubes for Nitrate Reduction in Water. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 7183-7192.	1.8	68
92	Enhancement of the selectivity to dihydroxyacetone in glycerol oxidation using gold nanoparticles supported on carbon nanotubes. <i>Catalysis Communications</i> , 2011, 16, 64-69.	1.6	68
93	Catalytic oxidation of ethyl acetate over a cesium modified cryptomelane catalyst. <i>Applied Catalysis B: Environmental</i> , 2009, 88, 550-556.	10.8	67
94	Influence of Multiwalled Carbon Nanotubes as Additives in Biomass-Derived Carbons for Supercapacitor Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6066-6077.	4.0	67
95	Effect of nanostructure on the supercapacitor performance of activated carbon xerogels obtained from hydrothermally carbonized glucose-graphene oxide hybrids. <i>Carbon</i> , 2016, 105, 474-483.	5.4	66
96	Carbon Monoxide Oxidation Catalysed by Exotemplated Manganese Oxides. <i>Catalysis Letters</i> , 2010, 134, 217-227.	1.4	65
97	Catalytic ozonation of organic pollutants in the presence of cerium oxide-carbon composites. <i>Applied Catalysis B: Environmental</i> , 2011, 102, 539-546.	10.8	65
98	Effect of cobalt loading on the solid state properties and ethyl acetate oxidation performance of cobalt-cerium mixed oxides. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 141-149.	5.0	64
99	Nitrogen-doped graphene-based materials for advanced oxidation processes. <i>Catalysis Today</i> , 2015, 249, 192-198.	2.2	62
100	Synergistic effect of bimetallic Au-Pd supported on ceria-zirconia mixed oxide catalysts for selective oxidation of glycerol. <i>Applied Catalysis B: Environmental</i> , 2016, 197, 222-235.	10.8	62
101	Catalytic conversion of cellulose to sorbitol over Ru supported on biomass-derived carbon-based materials. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117826.	10.8	61
102	Gold-supported magnetically recyclable nanocatalysts: a sustainable solution for the reduction of 4-nitrophenol in water. <i>RSC Advances</i> , 2015, 5, 5131-5141.	1.7	60
103	Noble-Metal-Free MOF-74-Derived Nanocarbons: Insights on Metal Composition and Doping Effects on the Electrocatalytic Activity Toward Oxygen Reactions. <i>ACS Applied Energy Materials</i> , 2019, 2, 1854-1867.	2.5	60
104	Ozone-based water treatment (O ₃ , O ₃ /UV, O ₃ /H ₂ O ₂) for removal of organic micropollutants, bacteria inactivation and regrowth prevention. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105315.	3.3	59
105	Nitrate reduction with hydrogen in the presence of physical mixtures with mono and bimetallic catalysts and ions in solution. <i>Applied Catalysis B: Environmental</i> , 2011, 102, 424-432.	10.8	58
106	Catalytic oxidation of ethyl acetate on cerium-containing mixed oxides. <i>Applied Catalysis A: General</i> , 2014, 472, 101-112.	2.2	58
107	Understanding the silylation reaction of multi-walled carbon nanotubes. <i>Carbon</i> , 2011, 49, 3441-3453.	5.4	55
108	Nanoparticle Size and Concentration Dependence of the Electroactive Phase Content and Electrical and Optical Properties of Ag/Poly(vinylidene fluoride) Composites. <i>ChemPhysChem</i> , 2013, 14, 1926-1933.	1.0	54

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109	Metal assessment for the catalytic reduction of bromate in water under hydrogen. <i>Chemical Engineering Journal</i> , 2015, 263, 119-126.	6.6	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. <i>Applied Catalysis B: Environmental</i> , 2016, 184, 381-396.	10.8	54
111	The influence of activated carbon surface properties on the adsorption of the herbicide molinate and the bio-regeneration of the adsorbent. <i>Journal of Hazardous Materials</i> , 2006, 138, 343-349.	6.5	53
112	Screen-Printed Photochromic Textiles through New Inks Based on SiO ₂ @naphthopyran Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28935-28945.	4.0	53
113	Spatial and seasonal occurrence of micropollutants in four Portuguese rivers and a case study for fluorescence excitation-emission matrices. <i>Science of the Total Environment</i> , 2018, 644, 1128-1140.	3.9	53
114	Ozonation of sulfamethoxazole promoted by MWCNT. <i>Catalysis Communications</i> , 2013, 35, 82-87.	1.6	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. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 314-321.	10.8	52
116	Environmental friendly method for urban wastewater monitoring of micropollutants defined in the Directive 2013/39/EU and Decision 2015/495/EU. <i>Journal of Chromatography A</i> , 2015, 1418, 140-149.	1.8	52
117	Adsorption of dyes on carbon xerogels and templated carbons: influence of surface chemistry. <i>Adsorption</i> , 2011, 17, 431-441.	1.4	50
118	Effect of the carbon nanotube surface characteristics on the conductivity and dielectric constant of carbon nanotube/poly(vinylidene fluoride) composites. <i>Nanoscale Research Letters</i> , 2011, 6, 302.	3.1	50
119	Ozonation of bezafibrate promoted by carbon materials. <i>Applied Catalysis B: Environmental</i> , 2013, 140-141, 82-91.	10.8	49
120	Nitrate Reduction Catalyzed by Pd-Cu and Pt-Cu Supported on Different Carbon Materials. <i>Catalysis Letters</i> , 2010, 139, 97-104.	1.4	48
121	Selective Oxidation of Glycerol Catalyzed by Rh/Activated Carbon: Importance of Support Surface Chemistry. <i>Catalysis Letters</i> , 2011, 141, 420-431.	1.4	48
122	Modification of carbon nanotubes by ball-milling to be used as ozonation catalysts. <i>Catalysis Today</i> , 2015, 249, 199-203.	2.2	48
123	Nitrogen-doped carbon xerogels as catalysts for advanced oxidation processes. <i>Catalysis Today</i> , 2015, 241, 73-79.	2.2	48
124	Oxygen surface groups analysis of carbonaceous samples pyrolysed at low temperature. <i>Carbon</i> , 2018, 134, 255-263.	5.4	48
125	Carbon nanofibers doped with nitrogen for the continuous catalytic ozonation of organic pollutants. <i>Chemical Engineering Journal</i> , 2016, 293, 102-111.	6.6	47
126	Evaluation of ion exchange-modified Y and ZSM5 zeolites in Cr(VI) biosorption and catalytic oxidation of ethyl acetate. <i>Applied Catalysis B: Environmental</i> , 2012, 117-118, 406-413.	10.8	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.	6.9	46
128	Pd, Pt, and Pt@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.	1.8	46
129	A Nanopore Lithography 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.	4.0	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.	7.1	45
131	Pt@Ru catalysts supported on carbon xerogels for PEM fuel cells. International Journal of Hydrogen Energy, 2012, 37, 7200-7211.	3.8	44
132	Highly dispersed ceria on activated carbon for the catalyzed ozonation of organic pollutants. Applied Catalysis B: Environmental, 2012, 113-114, 308-317.	10.8	44
133	Highly efficient reduction of bromate to bromide over mono and bimetallic ZSM5 catalysts. Green Chemistry, 2015, 17, 4247-4254.	4.6	44
134	CoMn-LDH@carbon nanotube composites: Bifunctional electrocatalysts for oxygen reactions. Catalysis Today, 2018, 301, 17-24.	2.2	44
135	Sorption of pentachlorophenol on pine bark. Chemosphere, 2005, 60, 1095-1102.	4.2	42
136	Anchoring of a [Mn(salen)Cl] complex onto mesoporous carbon xerogels. Journal of Colloid and Interface Science, 2007, 311, 152-158.	5.0	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.	1.8	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.	6.5	42
139	Direct conversion of cellulose to sorbitol over ruthenium catalysts: Influence of the support. Catalysis Today, 2017, 279, 244-251.	2.2	41
140	Catalytic reduction of bromate over monometallic catalysts on different powder and structured supports. Chemical Engineering Journal, 2017, 309, 197-205.	6.6	41
141	Photocatalytic ozonation of aniline with TiO ₂ -carbon composite materials. Journal of Environmental Management, 2017, 195, 208-215.	3.8	41
142	Sulfamethoxazole degradation by combination of advanced oxidation processes. Journal of Environmental Chemical Engineering, 2018, 6, 4054-4060.	3.3	41
143	Engaging nanoporous carbons in "beyond adsorption" applications: Characterization, challenges and performance. Carbon, 2020, 164, 69-84.	5.4	41
144	Catalytic ozonation of organic micropollutants using carbon nanofibers supported on monoliths. Chemical Engineering Journal, 2013, 230, 115-123.	6.6	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. <i>Chemical Engineering Journal</i> , 2020, 389, 124412.	6.6	40
146	Oxidative dehydrogenation of ethylbenzene on activated carbon fibers. <i>Carbon</i> , 2002, 40, 2393-2401.	5.4	39
147	Highly dispersed activated carbon supported platinum catalysts prepared by OMCVD: a comparison with wet impregnated catalysts. <i>Applied Catalysis A: General</i> , 2003, 243, 357-365.	2.2	39
148	Exotemplated copper, cobalt, iron, lanthanum and nickel oxides for catalytic oxidation of ethyl acetate. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 795-804.	3.3	39
149	Different methodologies for synthesis of nitrogen doped carbon nanotubes and their use in catalytic wet air oxidation. <i>Applied Catalysis A: General</i> , 2017, 548, 62-70.	2.2	39
150	Cooperative action of heteropolyacids and carbon supported Ru catalysts for the conversion of cellulose. <i>Catalysis Today</i> , 2018, 301, 65-71.	2.2	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. <i>Bioresource Technology</i> , 2018, 263, 402-409.	4.8	39
152	Mixture effects during the oxidation of toluene, ethyl acetate and ethanol over a cryptomelane catalyst. <i>Journal of Hazardous Materials</i> , 2011, 185, 1236-1240.	6.5	38
153	A life cycle assessment of solar-based treatments (H ₂ O ₂ , TiO ₂ photocatalysis, circumneutral) Tj ETQq1 1 0.784314 rgBT /Overlock 10 761, 143258.	3.9	38
154	Adsorption of aromatic compounds from the biodegradation of azo dyes on activated carbon. <i>Applied Surface Science</i> , 2008, 254, 3497-3503.	3.1	37
155	Nitrate reduction over a Pd-Cu/MWCNT catalyst: application to a polluted groundwater. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 2353-2358.	1.2	37
156	Catalytic oxidation of ethyl acetate over La-Co and La-Cu oxides. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 344-355.	3.3	37
157	Photocatalytic-assisted ozone degradation of metolachlor aqueous solution. <i>Chemical Engineering Journal</i> , 2017, 318, 247-253.	6.6	37
158	Functionalization of textiles with multi-walled carbon nanotubes by a novel dyeing-like process. <i>Journal of Materials Science</i> , 2012, 47, 5263-5275.	1.7	36
159	Ceria dispersed on carbon materials for the catalytic ozonation of sulfamethoxazole. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 260-269.	3.3	36
160	Ozonation of erythromycin over carbon materials and ceria dispersed on carbon materials. <i>Chemical Engineering Journal</i> , 2014, 250, 366-376.	6.6	36
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