Manuel Fernando R Pereira

List of Publications by Year
in descending order

341	23,637	7069 78	10424 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.	1.2	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.	2.2	7
3	O3 based advanced oxidation for ibuprofen degradation. Chinese Journal of Chemical Engineering, 2022, 42, 277-284.	1.7	7
4	Fe, Co, N-doped carbon nanotubes as bifunctional oxygen electrocatalysts. Applied Surface Science, 2022, 572, 151459.	3.1	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.	3.7	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.	3.9	10
7	Overgrowth control of potentially hazardous bacteria during storage of ozone treated wastewater through natural competition. Water Research, 2022, 209, 117932.	5.3	17
8	Copper Supported on Mesoporous Structured Catalysts for NO Reduction. Catalysts, 2022, 12, 170.	1.6	2
9	Performance of Graphene/Polydimethylsiloxane Surfaces against S. aureus and P. aeruginosa Single- and Dual-Species Biofilms. Nanomaterials, 2022, 12, 355.	1.9	7
10	Study and characterization of the lignocellulosic Fique (Furcraea Andina spp.) fiber. Cellulose, 2022, 29, 2187-2198.	2.4	7
11	Palladium Impregnation on Electrospun Carbon Fibers for Catalytic Reduction of Bromate in Water. Processes, 2022, 10, 458.	1.3	1
12	Implementation of Transition Metal Phosphides as Pt-Free Catalysts for PEM Water Electrolysis. Energies, 2022, 15, 1821.	1.6	9
13	Engineering of Nanostructured Carbon Catalyst Supports for the Continuous Reduction of Bromate in Drinking Water. Journal of Carbon Research, 2022, 8, 21.	1.4	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.	10.8	20
15	Understanding the importance of Nâ”doping for CNT-supported Ni catalysts for CO2 methanation. Carbon, 2022, 195, 35-43.	5.4	15
16	Antibiotics removal from aquaculture effluents by ozonation: chemical and toxicity descriptors. Water Research, 2022, 218, 118497.	5.3	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.	1.2	8
18	An overview of the hydrolytic hydrogenation of lignocellulosic biomass using carbon-supported metal catalysts. Materials Today Sustainability, 2021, 11-12, 100058.	1.9	8

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19	A life cycle assessment of solar-based treatments (H2O2, TiO2 photocatalysis, circumneutral) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 761, 143258.	3.9	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.	3.3	6
21	Electrochemical oxidation of diclofenac on CNT and M/CNT modified electrodes. New Journal of Chemistry, 2021, 45, 12622-12633.	1.4	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.	1.8	9
24	Optimizing CNT Loading in Antimicrobial Composites for Urinary Tract Application. Applied Sciences (Switzerland), 2021, 11, 4038.	1.3	15
25	Towards Controlled Degradation of Poly(lactic) Acid in Technical Applications. Journal of Carbon Research, 2021, 7, 42.	1.4	83
26	CNT-based Materials as Electrodes for Flexible Supercapacitors. U Porto Journal of Engineering, 2021, 7, 151-162.	0.2	3
27	Heteroatom (N, S) Co-Doped CNTs in the Phenol Oxidation by Catalytic Wet Air Oxidation. Catalysts, 2021, 11, 578.	1.6	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.	3.4	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.	3.1	20
30	Feasibility of using magnetic nanoparticles in water disinfection. Journal of Environmental Management, 2021, 288, 112410.	3.8	7
31	Effective adsorption of the endocrine disruptor compound bisphenol a from water on surface-modified carbon materials. Applied Surface Science, 2021, 552, 149513.	3.1	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.	1.6	2
33	Influence of organic matter formed during oxidative processes in the catalytic reduction of nitrate. Journal of Environmental Chemical Engineering, 2021, 9, 105545.	3.3	10
34	Highly N2-Selective Activated Carbon-Supported Pt-In Catalysts for the Reduction of Nitrites in Water. Frontiers in Chemistry, 2021, 9, 733881.	1.8	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.	3.3	59
36	Rethinking water treatment targets: Bacteria regrowth under unprovable conditions. Water Research, 2021, 201, 117374.	5.3	17

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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.	2.5	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.	3.3	9
39	New Opportunity for Carbonâ€Supported Niâ€based Electrocatalysts: Gasâ€Phase CO₂ Methanation. ChemCatChem, 2021, 13, 4770-4779.	1.8	7
40	Production of ethyl levulinate fuel bioadditive from 5-hydroxymethylfurfural over sulfonic acid functionalized biochar catalysts. Fuel, 2021, 303, 121227.	3.4	28
41	Ozonation of cytostatic drugs in aqueous phase. Science of the Total Environment, 2021, 795, 148855.	3.9	11
42	Aging assessment of microplastics (LDPE, PET and uPVC) under urban environment stressors. Science of the Total Environment, 2021, 796, 148914.	3.9	93
43	Solid acid carbon catalysts for sustainable production of biofuel enhancers via transesterification of glycerol with ethyl acetate. Fuel, 2021, 304, 121381.	3.4	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.	3.3	5
45	Air oxidized activated carbon catalyst for aerobic oxidative aromatizations of N-heterocycles. Catalysis Science and Technology, 2021, 11, 5962-5972.	2.1	12
46	Metal-zeolite catalysts for the removal of pharmaceutical pollutants in water by catalytic ozonation. Journal of Environmental Chemical Engineering, 2021, 9, 106458.	3.3	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.	2.6	4
48	Fenton-Type Bimetallic Catalysts for Degradation of Dyes in Aqueous Solutions. Catalysts, 2021, 11, 32.	1.6	8
49	Unveiling the role of oxidative treatments on the electrochemical performance of carbon nanotube-based cotton textile supercapacitors. Carbon Trends, 2021, 5, 100137.	1.4	7
50	Solar Light-Induced Methylene Blue Removal over TiO2/AC Composites and Photocatalytic Regeneration. Nanomaterials, 2021, 11, 3016.	1.9	11
51	Bezafibrate removal by coupling ozonation and photocatalysis: effect of experimental conditions. Environmental Nanotechnology, Monitoring and Management, 2021, 17, 100610.	1.7	0
52	Electrochemical oxidation of amoxicillin on carbon nanotubes and carbon nanotube supported metal modified electrodes. Catalysis Today, 2020, 357, 322-331.	2.2	15
53	Metal-free carbon materials as catalysts for wet air oxidation. Catalysis Today, 2020, 356, 189-196.	2.2	20
54	Effect of ball milling on the catalytic activity of cryptomelane for VOC oxidation. Environmental Technology (United Kingdom), 2020, 41, 117-130.	1.2	14

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55	Preparation of ceramic and metallic monoliths coated with cryptomelane as catalysts for VOC abatement. Chemical Engineering Journal, 2020, 382, 122923.	6.6	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.	2.2	16
57	Catalytic Transfer Hydrogenation of Furfural over Co₃O₄â^'Al₂O₃ Hydrotalciteâ€derived Catalyst. ChemCatChem, 2020, 12, 1467-1475.	1.8	31
58	Microplastics in the environment: A DPSIR analysis with focus on the responses. Science of the Total Environment, 2020, 718, 134968.	3.9	70
59	Application of magnetic nanoparticles for water purification. Environmental Advances, 2020, 2, 100010.	2.2	31
60	Phosphorus-doped carbon/carbon nanotube hybrids as high-performance electrodes for supercapacitors. Electrochimica Acta, 2020, 354, 136713.	2.6	16
61	4-Nitrobenzaldehyde removal by catalytic ozonation in the presence of CNT. Journal of Water Process Engineering, 2020, 38, 101573.	2.6	13
62	Multi-Walled Carbon Nanotubes Enhance Methanogenesis from Diverse Organic Compounds in Anaerobic Sludge and River Sediments. Applied Sciences (Switzerland), 2020, 10, 8184.	1.3	8
63	Carbon Nanotube/Poly(dimethylsiloxane) Composite Materials to Reduce Bacterial Adhesion. Antibiotics, 2020, 9, 434.	1.5	20
64	Impact of Thermal Treatment of Nb2O5 on Its Performance in Glucose Dehydration to 5-Hydroxymethylfurfural in Water. Nanomaterials, 2020, 10, 1685.	1.9	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.	2.1	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.	1.9	10
67	Nitrate Catalytic Reduction over Bimetallic Catalysts: Catalyst Optimization. Journal of Carbon Research, 2020, 6, 78.	1.4	11
68	Processing Methods Used in the Fabrication of Macrostructures Containing 1D Carbon Nanomaterials for Catalysis. Processes, 2020, 8, 1329.	1.3	5
69	Nanostructured Layers of Mechanically Processed Multiwalled Carbon Nanotubes for Catalytic Ozonation of Organic Pollutants. ACS Applied Nano Materials, 2020, 3, 5271-5284.	2.4	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.	2.7	25
71	Engaging nanoporous carbons in â€œbeyond adsorptionâ€•applications: Characterization, challenges and performance. Carbon, 2020, 164, 69-84.	5.4	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.	3.3	7

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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.	6.6	40
74	Hydrothermal Carbon/Carbon Nanotube Composites as Electrocatalysts for the Oxygen Reduction Reaction. Journal of Composites Science, 2020, 4, 20.	1.4	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.	2.1	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.	1.8	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.	3.1	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.	4.6	84
79	Highly electroactive Nâ€“Fe hydrothermal carbons and carbon nanotubes for the oxygen reduction reaction. Journal of Energy Chemistry, 2020, 50, 260-270.	7.1	13
80	Distribution of micropollutants in estuarine and sea water along the Portuguese coast. Marine Pollution Bulletin, 2020, 154, 111120.	2.3	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.	1.6	9
82	Catalytic Advanced Oxidation Processes for Sulfamethoxazole Degradation. Applied Sciences (Switzerland), 2019, 9, 2652.	1.3	24
83	Glucose-based carbon materials as supports for the efficient catalytic transformation of cellulose directly to ethylene glycol. Cellulose, 2019, 26, 7337-7353.	2.4	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.	1.9	1
85	Magnetic Nanoparticles for Photocatalytic Ozonation of Organic Pollutants. Catalysts, 2019, 9, 703.	1.6	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.	3.9	3
87	Catalytic conversion of cellulose to sorbitol over Ru supported on biomass-derived carbon-based materials. Applied Catalysis B: Environmental, 2019, 256, 117826.	10.8	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.	2.6	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.	1.4	13
90	Glucose-derived carbon materials with tailored properties as electrocatalysts for the oxygen reduction reaction. Beilstein Journal of Nanotechnology, 2019, 10, 1089-1102.	1.5	27

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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.	5.3	222
92	Electrocatalytic activity of new Mn3O4@oxidized graphene flakes nanocomposites toward oxygen reduction reaction. Journal of Materials Science, 2019, 54, 8919-8940.	1.7	26
93	Heterogeneous Fenton-Like Degradation of p-Nitrophenol over Tailored Carbon-Based Materials. Catalysts, 2019, 9, 258.	1.6	28
94	Catalytic bromate reduction in water: Influence of carbon support. Journal of Environmental Chemical Engineering, 2019, 7, 103015.	3.3	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.	2.5	60
96	Encapsulation and characterisation of cationic benzo[a]phenoxazines in zeolite HY. New Journal of Chemistry, 2019, 43, 15785-15792.	1.4	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.	3.9	120
98	Influence of Multiwalled Carbon Nanotubes as Additives in Biomass-Derived Carbons for Supercapacitor Applications. ACS Applied Materials & Interfaces, 2019, 11, 6066-6077.	4.0	67
99	Incorporation of carbon nanotubes in polydimethylsiloxane to controlEscherichia coliadhesion. Polymer Composites, 2019, 40, E1697-E1704.	2.3	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.	2.6	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.	1.8	8
103	Ethyl and butyl acetate oxidation over manganese oxides. Chinese Journal of Catalysis, 2018, 39, 27-36.	6.9	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.	4.0	13
105	N/S-doped graphene derivatives and TiO2 for catalytic ozonation and photocatalysis of water pollutants. Chemical Engineering Journal, 2018, 348, 888-897.	6.6	84
106	Oxygen surface groups analysis of carbonaceous samples pyrolysed at low temperature. Carbon, 2018, 134, 255-263.	5.4	48
107	Conversion of hemicellulose-derived pentoses over noble metal supported on 1D multiwalled carbon nanotubes. Applied Catalysis B: Environmental, 2018, 232, 101-107.	10.8	34
108	Bifunctional gold catalysts: Relationship between preparation method and catalytic performance in tandem cellobiose valorization. Catalysis Today, 2018, 301, 55-64.	2.2	7

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109	CoMn-LDH@carbon nanotube composites: Bifunctional electrocatalysts for oxygen reactions. Catalysis Today, 2018, 301, 17-24.	2.2	44
110	Cooperative action of heteropolyacids and carbon supported Ru catalysts for the conversion of cellulose. Catalysis Today, 2018, 301, 65-71.	2.2	39
111	A review on environmental monitoring of water organic pollutants identified by EU guidelines. Journal of Hazardous Materials, 2018, 344, 146-162.	6.5	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.	1.8	21
113	Co₃O₄ Nanoparticles Anchored on Selectively Oxidized Graphene Flakes as Bifunctional Electrocatalysts for Oxygen Reactions. ChemistrySelect, 2018, 3, 10064-10076.	0.7	14
114	Study of the Electroreactivity of Amoxicillin on Carbon Nanotubeâ€Supported Metal Electrodes. ChemCatChem, 2018, 10, 4900-4909.	1.8	7
115	Sulfamethoxazole degradation by combination of advanced oxidation processes. Journal of Environmental Chemical Engineering, 2018, 6, 4054-4060.	3.3	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.	4.8	39
117	Cutting the Green Waste. Structureâ€Performance Relationship in Functionalized Carbon Xerogels for Hydrolysis of Cellobiose. ChemCatChem, 2018, 10, 4934-4946.	1.8	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.	3.9	53
119	Oxidation of Volatile Organic Compounds by Highly Efficient Metal Zeolite Catalysts. ChemCatChem, 2018, 10, 3754-3760.	1.8	11
120	Hydrolytic hydrogenation of cellulose to ethylene glycol over carbon nanotubes supported Ruâ€“W bimetallic catalysts. Cellulose, 2018, 25, 2259-2272.	2.4	31
121	Metal-Free Catalytic Wet Oxidation: From Powder to Structured Catalyst Using N-Doped Carbon Nanotubes. Topics in Catalysis, 2018, 61, 1957-1966.	1.3	7
122	Direct conversion of cellulose to sorbitol over ruthenium catalysts: Influence of the support. Catalysis Today, 2017, 279, 244-251.	2.2	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.	6.5	179
124	Tuning the surface chemistry of graphene flakes: new strategies for selective oxidation. RSC Advances, 2017, 7, 14290-14301.	1.7	83
125	Direct catalytic production of sorbitol from waste cellulosic materials. Bioresource Technology, 2017, 232, 152-158.	4.8	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.	5.0	64

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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.	10.8	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.	1.7	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.	4.0	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.	2.0	74
131	Bifunctionality of the pyrone functional group in oxidized carbon nanotubes towards oxygen reduction reaction. Catalysis Science and Technology, 2017, 7, 1868-1879.	2.1	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.	3.3	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.	2.2	39
134	p-Nitrophenol degradation by heterogeneous Fentonâ€™s oxidation over activated carbon-based catalysts. Applied Catalysis B: Environmental, 2017, 219, 109-122.	10.8	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.	4.8	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.	4.0	46
137	Catalytic reduction of bromate over monometallic catalysts on different powder and structured supports. Chemical Engineering Journal, 2017, 309, 197-205.	6.6	41
138	Influence of the Surface Chemistry of Multiwalled Carbon Nanotubes on the Selective Conversion of Cellulose into Sorbitol. ChemCatChem, 2017, 9, 888-896.	1.8	19
139	Volatile organic compounds abatement over copper-based catalysts: Effect of support. Inorganica Chimica Acta, 2017, 455, 473-482.	1.2	33
140	Photocatalytic ozonation of aniline with TiO2-carbon composite materials. Journal of Environmental Management, 2017, 195, 208-215.	3.8	41
141	Photocatalytic-assisted ozone degradation of metolachlor aqueous solution. Chemical Engineering Journal, 2017, 318, 247-253.	6.6	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.	10.8	82
143	Ethyl Acetate Abatement on Copper Catalysts Supported on Ceria Doped with Rare Earth Oxides. Molecules, 2016, 21, 644.	1.7	29
144	Tuning CNT Properties for Metal-Free Environmental Catalytic Applications. Journal of Carbon Research, 2016, 2, 17.	1.4	17

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145	Effect of different carbon materials as electron shuttles in the anaerobic biotransformation of nitroanilines. Biotechnology and Bioengineering, 2016, 113, 1194-1202.	1.7	30
146	Perspectives on carbon materials as powerful catalysts in continuous anaerobic bioreactors. Water Research, 2016, 101, 441-447.	5.3	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.	1.3	12
148	Phosphomolybdate@Carbon-Based Nanocomposites as Electrocatalysts for Oxygen Reduction Reaction. ChemistrySelect, 2016, 1, 6257-6266.	0.7	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.	10.8	90
150	Electrochemical storage mechanisms in non-stoichiometric cerium oxide/multiwalled carbon nanotube composites. Electrochimica Acta, 2016, 209, 25-35.	2.6	17
151	Naphthopyran-Based Silica Nanoparticles as New High-Performance Photoresponsive Materials. ACS Applied Materials & Interfaces, 2016, 8, 7221-7231.	4.0	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.	10.8	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.	5.4	66
154	Screen-Printed Photochromic Textiles through New Inks Based on SiO₂@naphthopyran Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 28935-28945.	4.0	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.	1.9	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	1.7	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.	5.0	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.	0.7	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.	1.8	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.	10.8	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.	10.8	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.	5.3	185

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163	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
164	Carbon nanofibers doped with nitrogen for the continuous catalytic ozonation of organic pollutants. Chemical Engineering Journal, 2016, 293, 102-111.	6.6	47
165	Comparative study of different catalysts for the direct conversion of cellulose to sorbitol. Green Processing and Synthesis, 2015, 4, .	1.3	6
166	In Focus Section CHEMPOR 2014. Journal of Chemical Technology and Biotechnology, 2015, 90, 1545-1546.	1.6	0
167	Nitrogen-doped graphene-based materials for advanced oxidation processes. Catalysis Today, 2015, 249, 192-198.	2.2	62
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