JosÃ© L Figueiredo

List of Publications by Year
in descending order

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340	22,586	6250 80	12585 132
papers	citations	h-index	g-index

360	360	360	20204
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.	5.4	2,642
2	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
3	The role of surface chemistry in catalysis with carbons. Catalysis Today, 2010, 150, 2-7.	2.2	558
4	Adsorption of dyes on activated carbons: influence of surface chemical groups. Carbon, 2003, 41, 811-821.	5.4	492
5	Hydrogen production by alkaline water electrolysis. Quimica Nova, 2013, 36, 1176-1193.	0.3	322
6	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
7	Characterization of Active Sites on Carbon Catalysts. Industrial & Engineering Chemistry Research, 2007, 46, 4110-4115.	1.8	308
8	Adsorption of ciprofloxacin on surface-modified carbon materials. Water Research, 2011, 45, 4583-4591.	5.3	289
9	Design of graphene-based TiO2 photocatalystsâ€"a review. Environmental Science and Pollution Research, 2012, 19, 3676-3687.	2.7	272
10	Advanced nanostructured photocatalysts based on reduced graphene oxideâ€"TiO2 composites for degradation of diphenhydramine pharmaceutical and methyl orange dye. Applied Catalysis B: Environmental, 2012, 123-124, 241-256.	10.8	270
11	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
12	Adsorption of simple aromatic compounds on activated carbons. Journal of Colloid and Interface Science, 2006, 293, 128-136.	5.0	236
13	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
14	Oxidation of CO, ethanol and toluene over TiO2 supported noble metal catalysts. Applied Catalysis B: Environmental, 2010, 99, 198-205.	10.8	221
15	Functionalization of porous carbons for catalytic applications. Journal of Materials Chemistry A, 2013, 1, 9351.	5.2	217
16	Properties of Carbon-Supported Platinum Catalysts: Role of Carbon Surface Sites. Journal of Catalysis, 2002, 209, 355-364.	3.1	207
17	A chemical vapour deposition process for the production of carbon nanospheres. Carbon, 2001, 39, 621-626.	5.4	187
18	Influence of the surface chemistry of multi-walled carbon nanotubes on their activity as ozonation catalysts. Carbon, 2010, 48, 4369-4381.	5.4	176

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19	MWCNT activation and its influence on the catalytic performance of Pt/MWCNT catalysts for selective hydrogenation. Carbon, 2008, 46, 1194-1207.	5.4	172
20	Structural and chemical disorder of cryptomelane promoted by alkali doping: Influence on catalytic properties. Journal of Catalysis, 2012, 293, 165-174.	3.1	165
21	Characterization of the surface chemistry of carbon materials by potentiometric titrations and temperature-programmed desorption. Carbon, 2008, 46, 1544-1555.	5.4	162
22	Multi-walled carbon nanotube/PVDF blended membranes with sponge- and finger-like pores for direct contact membrane distillation. Desalination, 2015, 357, 233-245.	4.0	158
23	A model for pyrolysis of wet wood. Chemical Engineering Science, 1989, 44, 2861-2869.	1.9	151
24	Catalytic activity of carbon nanotubes in the oxidative dehydrogenation of ethylbenzene. Carbon, 2004, 42, 2807-2813.	5.4	150
25	Nanostructured mesoporous carbons: Tuning texture and surface chemistry. Carbon, 2016, 108, 79-102.	5.4	149
26	Graphene oxide-P25 photocatalysts for degradation of diphenhydramine pharmaceutical and methyl orange dye. Applied Surface Science, 2013, 275, 361-368.	3.1	145
27	Catalytic wet peroxide oxidation: a route towards the application of hybrid magnetic carbon nanocomposites for the degradation of organic pollutants. A review. Applied Catalysis B: Environmental, 2016, 187, 428-460.	10.8	143
28	Manganese oxide OMS-2 as an effective catalyst for total oxidation of ethyl acetate. Applied Catalysis B: Environmental, 2007, 72, 129-135.	10.8	142
29	Methane dry reforming on Ni loaded hydroxyapatite and fluoroapatite. Applied Catalysis A: General, 2007, 317, 299-309.	2.2	133
30	Ceramic photocatalytic membranes for water filtration under UV and visible light. Applied Catalysis B: Environmental, 2015, 178, 12-19.	10.8	132
31	Catalytic properties of carbon materials for wet oxidation of aniline. Journal of Hazardous Materials, 2008, 159, 420-426.	6.5	129
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.	3.1	129
33	Synthesis and characterization of nitrogen-doped carbon xerogels. Carbon, 2009, 47, 2032-2039.	5.4	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.	2.2	129
35	Enhanced biocatalytic sustainability of laccase by immobilization on functionalized carbon nanotubes/polysulfone membranes. Chemical Engineering Journal, 2019, 355, 974-985.	6.6	124
36	Role of oxygen functionalities on the synthesis of photocatalytically active grapheneâ€“TiO2 composites. Applied Catalysis B: Environmental, 2014, 158-159, 329-340.	10.8	117

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37	Easy method to prepare N-doped carbon nanotubes by ball milling. Carbon, 2015, 91, 114-121.	5.4	111
38	Manganese oxide catalysts synthesized by exotemplating for the total oxidation of ethanol. Applied Catalysis B: Environmental, 2009, 93, 30-37.	10.8	109
39	Graphene oxide based ultrafiltration membranes for photocatalytic degradation of organic pollutants in salty water. Water Research, 2015, 77, 179-190.	5.3	108
40	Carbon nanotube supported ruthenium catalysts for the treatment of high strength wastewater with aniline using wet air oxidation. Carbon, 2006, 44, 2384-2391.	5.4	105
41	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
42	Metal-free graphene-based catalytic membrane for degradation of organic contaminants by persulfate activation. Chemical Engineering Journal, 2019, 369, 223-232.	6.6	104
43	The influence of structure and surface chemistry of carbon materials on the decomposition of hydrogen peroxide. Carbon, 2013, 62, 97-108.	5.4	103
44	Platinumâ€“rare earth electrodes for hydrogen evolution in alkaline water electrolysis. International Journal of Hydrogen Energy, 2013, 38, 3137-3145.	3.8	102
45	Hydrothermal functionalization of ordered mesoporous carbons: The effect of boron on supercapacitor performance. Carbon, 2015, 95, 72-83.	5.4	102
46	Catalytic oxidation of volatile organic compounds. Applied Catalysis B: Environmental, 2005, 57, 117-123.	10.8	100
47	Catalytic performance of Au/ZnO nanocatalysts for CO oxidation. Journal of Catalysis, 2010, 273, 191-198.	3.1	99
48	New insights into the functionalization of multi-walled carbon nanotubes with aniline derivatives. Carbon, 2012, 50, 3280-3294.	5.4	99
49	Gold supported on metal oxides for volatile organic compounds total oxidation. Catalysis Today, 2015, 244, 103-114.	2.2	99
50	Bimetallic Ptâ€“Sn catalysts supported on activated carbon. Applied Catalysis A: General, 2000, 192, 29-42.	2.2	98
51	Oxidative dehydrogenation of ethylbenzene on activated carbon catalysts. Applied Catalysis A: General, 2001, 218, 307-318.	2.2	98
52	Preparation of carbon-based adsorbents from pyrolysis and air activation of sewage sludges. Chemical Engineering Journal, 2005, 108, 169-177.	6.6	97
53	Synthesis and Characterization of Manganese Oxide Catalysts for the Total Oxidation of Ethyl Acetate. Topics in Catalysis, 2009, 52, 470-481.	1.3	97
54	Effect of Mg, Ca, and Sr on CeO₂ Based Catalysts for the Oxidative Coupling of Methane: Investigation on the Oxygen Species Responsible for Catalytic Performance. Industrial & Engineering Chemistry Research, 2012, 51, 10535-10541.	1.8	96

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55	Methane decomposition on Niâ€“Cu alloyed Raney-type catalysts. International Journal of Hydrogen Energy, 2009, 34, 4763-4772.	3.8	95
56	Controlled surface functionalization of multiwall carbon nanotubes by HNO3 hydrothermal oxidation. Carbon, 2014, 69, 311-326.	5.4	95
57	Prototype composite membranes of partially reduced graphene oxide/TiO2 for photocatalytic ultrafiltration water treatment under visible light. Applied Catalysis B: Environmental, 2014, 158-159, 361-372.	10.8	95
58	Gold nanoparticles supported on carbon materials for cyclohexane oxidation with hydrogen peroxide. Applied Catalysis A: General, 2013, 467, 279-290.	2.2	93
59	Redox properties and VOC oxidation activity of Cu catalysts supported on Ce1â^'xSmxOÎ´ mixed oxides. Journal of Hazardous Materials, 2013, 261, 512-521.	6.5	92
60	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
61	Catalytic oxidation of NO to NO2 on N-doped activated carbons. Catalysis Today, 2011, 176, 383-387.	2.2	91
62	Homogeneous and heterogenised new gold C-scorpionate complexes as catalysts for cyclohexane oxidation. Catalysis Science and Technology, 2013, 3, 3056.	2.1	91
63	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
64	Gasification of carbon deposits on nickel catalysts. Journal of Catalysis, 1975, 40, 154-159.	3.1	89
65	Highly dispersed platinum catalysts prepared by impregnation of texture-tailored carbon xerogels. Journal of Catalysis, 2006, 240, 160-171.	3.1	89
66	Photocatalytic degradation of caffeine: Developing solutions for emerging pollutants. Catalysis Today, 2013, 209, 108-115.	2.2	88
67	Effect of preparation method on the solid state properties and the deN₂O performance of CuOâ€“CeO₂ oxides. Catalysis Science and Technology, 2015, 5, 3714-3727.	2.1	88
68	Carbon nanotubes and xerogels as supports of well-dispersed Pt catalysts for environmental applications. Applied Catalysis B: Environmental, 2004, 54, 175-182.	10.8	87
69	Transition metal (Cu, Cr, and V) modified MCM-41 for the catalytic wet air oxidation of aniline. Microporous and Mesoporous Materials, 2005, 86, 287-294.	2.2	87
70	TiO2, surface modified TiO2 and graphene oxide-TiO2 photocatalysts for degradation of water pollutants under near-UV/Vis and visible light. Chemical Engineering Journal, 2013, 224, 17-23.	6.6	87
71	Total oxidation of ethyl acetate, ethanol and toluene catalyzed by exotemplated manganese and cerium oxides loaded with gold. Catalysis Today, 2012, 180, 148-154.	2.2	85
72	Carbon-supported Mo₂C electrocatalysts for hydrogen evolution reaction. Journal of Materials Chemistry A, 2015, 3, 15505-15512.	5.2	85

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73	Platinum catalysts supported on MWNT for catalytic wet air oxidation of nitrogen containing compounds. Catalysis Today, 2005, 102-103, 101-109.	2.2	84
74	Hydrogenation of nitrobenzene over nickel nanoparticles stabilized by filamentous carbon. Applied Catalysis A: General, 2008, 351, 204-209.	2.2	84
75	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
76	Controlling the surface chemistry of carbon xerogels using HNO3-hydrothermal oxidation. Carbon, 2009, 47, 1670-1679.	5.4	83
77	Stabilized gold on cerium-modified cryptomelane: Highly active in low-temperature CO oxidation. Journal of Catalysis, 2014, 309, 58-65.	3.1	83
78	Towards Controlled Degradation of Poly(lactic) Acid in Technical Applications. Journal of Carbon Research, 2021, 7, 42.	1.4	83
79	Oxidative dehydrogenation of ethylbenzene on activated carbon catalysts. Applied Catalysis A: General, 2000, 196, 43-54.	2.2	82
80	Tuning of texture and surface chemistry of carbon xerogels. Journal of Colloid and Interface Science, 2008, 324, 150-155.	5.0	81
81	Oxygen activation sites in gold and iron catalysts supported on carbon nitride and activated carbon. Journal of Catalysis, 2010, 274, 207-214.	3.1	81
82	Surface activation of a polymer based carbon. Carbon, 2004, 42, 1321-1325.	5.4	80
83	Styrene oxidation by manganese Schiff base complexes in zeolite structures. Journal of Molecular Catalysis A, 2006, 258, 327-333.	4.8	80
84	Heterogenisation of a Câ€šcorpionate Fe^{II} Complex on Carbon Materials for Cyclohexane Oxidation with Hydrogen Peroxide. ChemCatChem, 2013, 5, 3847-3856.	1.8	80
85	Catalytic decomposition of methane on Raney-type catalysts. Applied Catalysis A: General, 2008, 348, 103-112.	2.2	78
86	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.	10.8	76
87	Gold supported on metal oxides for carbon monoxide oxidation. Nano Research, 2011, 4, 180-193.	5.8	76
88	Heterogenization of a Functionalized Copper(II) Schiff Base Complex by Direct Immobilization onto an Oxidized Activated Carbon. Langmuir, 2002, 18, 8017-8024.	1.6	75
89	Immobilisation of amine-functionalised nickel(II) Schiff base complexes onto activated carbon treated with thionyl chloride. Microporous and Mesoporous Materials, 2002, 55, 275-284.	2.2	75
90	NO oxidation over nitrogen doped carbon xerogels. Applied Catalysis B: Environmental, 2012, 125, 398-408.	10.8	75

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91	Photocatalytic behaviour of nanocarbonâ€“TiO2 composites and immobilization into hollow fibres. Applied Catalysis B: Environmental, 2013, 142-143, 101-111.	10.8	75
92	An overview on exploration and environmental impact of unconventional gas sources and treatment options for produced water. Journal of Environmental Management, 2017, 200, 511-529.	3.8	75
93	Exotemplated ceria catalysts with gold for CO oxidation. Applied Catalysis A: General, 2010, 381, 150-160.	2.2	74
94	Nanostructured iron oxide catalysts with gold for the oxidation of carbon monoxide. RSC Advances, 2012, 2, 2957.	1.7	74
95	The role of activated carbons functionalized with thiol and sulfonic acid groups in catalytic wet peroxide oxidation. Applied Catalysis B: Environmental, 2011, 106, 390-397.	10.8	73
96	Modified activated carbon as catalyst for NO oxidation. Fuel Processing Technology, 2013, 106, 727-733.	3.7	73
97	Production of SiC and Si3N4 whiskers in C+SiO2 solid mixtures. Materials Chemistry and Physics, 2001, 72, 326-331.	2.0	72
98	Thin-film composite forward osmosis membranes based on polysulfone supports blended with nanostructured carbon materials. Journal of Membrane Science, 2016, 520, 326-336.	4.1	72
99	Pyrolysis kinetics of lignocellulosic materials by multistage isothermal thermogravimetry. Journal of Analytical and Applied Pyrolysis, 1988, 13, 123-134.	2.6	71
100	Au/activated-carbon catalysts for selective oxidation of alcohols with molecular oxygen under atmospheric pressure: Role of basicity. Catalysis Communications, 2008, 9, 2395-2397.	1.6	71
101	Catalytic oxidation of volatile organic compounds (VOCs) Oxidation of o-xylene over Pt/HBEA catalysts. Applied Catalysis B: Environmental, 2003, 46, 371-379.	10.8	70
102	Development of carbon nanotube and carbon xerogel supported catalysts for the electro-oxidation of methanol in fuel cells. Carbon, 2006, 44, 2516-2522.	5.4	68
103	Preparation of carbon molecular sieves for gas separations by modification of the pore sizes of activated carbons. Fuel, 2001, 80, 1-6.	3.4	67
104	Catalytic oxidation of ethyl acetate over a cesium modified cryptomelane catalyst. Applied Catalysis B: Environmental, 2009, 88, 550-556.	10.8	67
105	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
106	Carbon-based TiO2 materials for the degradation of Microcystin-LA. Applied Catalysis B: Environmental, 2015, 170-171, 74-82.	10.8	66
107	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
108	Carbon Monoxide Oxidation Catalysed by Exotemplated Manganese Oxides. Catalysis Letters, 2010, 134, 217-227.	1.4	65

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109	Gold nanoparticles on ceria supports for the oxidation of carbon monoxide. Catalysis Today, 2010, 154, 21-30.	2.2	65
110	Ce-Doped La2O3 based catalyst for the oxidative coupling of methane. Catalysis Communications, 2013, 42, 50-53.	1.6	65
111	Developing highly active photocatalysts: Gold-loaded ZnO for solar phenol oxidation. Journal of Catalysis, 2014, 316, 182-190.	3.1	65
112	Anchoring of a nickel(II) Schiff base complex onto activated carbon mediated by cyanuric chloride. Microporous and Mesoporous Materials, 2001, 46, 211-221.	2.2	64
113	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
114	Reaction Mechanism of Aerobic Oxidation of Alcohols Conducted on Activatedâ€Carbonâ€Supported Cobalt Oxide Catalysts. Chemistry - A European Journal, 2011, 17, 7112-7117.	1.7	63
115	Nitrogen-doped graphene-based materials for advanced oxidation processes. Catalysis Today, 2015, 249, 192-198.	2.2	62
116	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
117	Activated carbons with immobilised manganese(iii) salen complexes as heterogeneous catalysts in the epoxidation of olefins: influence of support and ligand functionalisation on selectivity and reusability. New Journal of Chemistry, 2003, 27, 1511.	1.4	59
118	Graphene-based materials for the catalytic wet peroxide oxidation of highly concentrated 4-nitrophenol solutions. Catalysis Today, 2015, 249, 204-212.	2.2	59
119	Catalytic oxidation of ethyl acetate on cerium-containing mixed oxides. Applied Catalysis A: General, 2014, 472, 101-112.	2.2	58
120	Hydrogenation of chloronitrobenzenes over filamentous carbon stabilized nickel nanoparticles. Catalysis Communications, 2009, 10, 1203-1206.	1.6	56
121	Molybdenum Carbide Nanoparticles on Carbon Nanotubes and Carbon Xerogel: Lowâ€Cost Cathodes for Hydrogen Production by Alkaline Water Electrolysis. ChemSusChem, 2016, 9, 1200-1208.	3.6	56
122	Methane decomposition on Feâ€“Cu Raney-type catalysts. Fuel Processing Technology, 2009, 90, 1234-1240.	3.7	55
123	Hydrogen production via methane decomposition on Raney-type catalysts. International Journal of Hydrogen Energy, 2010, 35, 9795-9800.	3.8	55
124	Controlling and Quantifying Oxygen Functionalities on Hydrothermally and Thermally Treated Single-Wall Carbon Nanotubes. Journal of Physical Chemistry C, 2011, 115, 8534-8546.	1.5	55
125	Understanding the silylation reaction of multi-walled carbon nanotubes. Carbon, 2011, 49, 3441-3453.	5.4	55
126	Oxidative dehydrogenation of isobutane over activated carbon catalysts. Applied Catalysis A: General, 2006, 311, 51-57.	2.2	54

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127	Importance of palladium dispersion in Pd/Al2O3 catalysts for complete oxidation of humid low-methaneâ€“air mixtures. Catalysis Today, 2008, 137, 329-334.	2.2	54
128	Electrocatalytic approach for the efficiency increase of electrolytic hydrogen production: Proof-of-concept using platinum--dysprosium alloys. Energy, 2013, 50, 486-492.	4.5	54
129	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
130	Carbon supports for methanol oxidation catalyst. Journal of Power Sources, 2005, 151, 79-84.	4.0	52
131	Wet air oxidation of nitro-aromatic compounds: Reactivity on single- and multi-component systems and surface chemistry studies with a carbon xerogel. Applied Catalysis B: Environmental, 2008, 84, 75-86.	10.8	52
132	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.	10.8	52
133	Modification of the surface chemistry of single- and multi-walled carbon nanotubes by HNO₃ and H₂SO₄ hydrothermal oxidation for application in direct contact membrane distillation. Physical Chemistry Chemical Physics, 2014, 16, 12237-12250.	1.3	52
134	Lignin-based activated carbons as metal-free catalysts for the oxidative degradation of 4-nitrophenol in aqueous solution. Applied Catalysis B: Environmental, 2017, 219, 372-378.	10.8	52
135	Adsorption of dyes on carbon xerogels and templated carbons: influence of surface chemistry. Adsorption, 2011, 17, 431-441.	1.4	50
136	Carbon xerogel supported Pt and Ptâ€“Ni catalysts for electro-oxidation of methanol in basic medium. Catalysis Today, 2005, 102-103, 173-176.	2.2	49
137	Facile one-pot synthesis of Pt nanoparticles /SBA-15: an active and stable material for catalytic applications. Energy and Environmental Science, 2011, 4, 2020.	15.6	49
138	Hummersâ€™ and Brodieâ€™s graphene oxides as photocatalysts for phenol degradation. Journal of Colloid and Interface Science, 2020, 567, 243-255.	5.0	49
139	Effect of chloride on the sinterization of Au/CeO2 catalysts. Catalysis Today, 2010, 154, 293-302.	2.2	48
140	Selective Oxidation of Glycerol Catalyzed by Rh/Activated Carbon: Importance of Support Surface Chemistry. Catalysis Letters, 2011, 141, 420-431.	1.4	48
141	Removal of 2-nitrophenol by catalytic wet peroxide oxidation using carbon materials with different morphological and chemical properties. Applied Catalysis B: Environmental, 2013, 140-141, 356-362.	10.8	48
142	Nitrogen-doped carbon xerogels as catalysts for advanced oxidation processes. Catalysis Today, 2015, 241, 73-79.	2.2	48
143	Oxygen surface groups analysis of carbonaceous samples pyrolysed at low temperature. Carbon, 2018, 134, 255-263.	5.4	48
144	Novel carbon supported material: highly dispersed platinum particles on carbon nanospheres. Journal of Materials Chemistry, 2001, 11, 1980-1981.	6.7	47

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145	Copper(II) acetylacetonate anchored onto an activated carbon as a heterogeneous catalyst for the aziridination of styrene. Catalysis Today, 2005, 102-103, 154-159.	2.2	47
146	Textural and mechanical characteristics of carbon aerogels synthesized by polymerization of resorcinol and formaldehyde using alkali carbonates as basification agents. Physical Chemistry Chemical Physics, 2010, 12, 10365.	1.3	46
147	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.	10.8	46
148	Catalytic performance of heteroatom-modified carbon nanotubes in advanced oxidation processes. Chinese Journal of Catalysis, 2014, 35, 896-905.	6.9	46
149	Oxidovanadium(V) Complexes Anchored on Carbon Materials as Catalysts for the Oxidation of 1â€Phenylethanol. ChemCatChem, 2016, 8, 2254-2266.	1.8	46
150	Highly efficient and reusable CNT supported iron(<scp>ii</scp>) catalyst for microwave assisted alcohol oxidation. Dalton Transactions, 2016, 45, 6816-6819.	1.6	46
151	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
152	Pyrolysis of holm-oak wood: influence of temperature and particle size. Fuel, 1989, 68, 1012-1016.	3.4	45
153	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
154	Bimetallic Ptâ€“Sn catalysts supported on activated carbon. II. CO oxidation. Catalysis Today, 2000, 62, 337-346.	2.2	44
155	Ptâ€“Ru catalysts supported on carbon xerogels for PEM fuel cells. International Journal of Hydrogen Energy, 2012, 37, 7200-7211.	3.8	44
156	CoMn-LDH@carbon nanotube composites: Bifunctional electrocatalysts for oxygen reactions. Catalysis Today, 2018, 301, 17-24.	2.2	44
157	Kinetics of cellulose pyrolysis modelled by three consecutive first-order reactions. Journal of Analytical and Applied Pyrolysis, 1989, 17, 37-46.	2.6	43
158	Enhanced electrocatalytic activity of carbon-supported MnOx/Ru catalysts for methanol oxidation in fuel cells. Journal of Power Sources, 2006, 153, 36-40.	4.0	43
159	Mesoporous carbon supported Pt and Ptâ€“Sn catalysts for hydrogenation of cinnamaldehyde. Catalysis Today, 2005, 102-103, 183-188.	2.2	42
160	Anchoring of a [Mn(salen)Cl] complex onto mesoporous carbon xerogels. Journal of Colloid and Interface Science, 2007, 311, 152-158.	5.0	42
161	Photocatalytic Reduction of CO2 with Water into Methanol and Ethanol Using Graphene Derivativeâ€“TiO2 Composites: Effect of pH and Copper(I) Oxide. Topics in Catalysis, 2016, 59, 1279-1291.	1.3	42
162	Encapsulation of copper(II) complexes with pentadentate N3O2 Schiff base ligands derived from acetylacetone in NaX zeolite. Microporous and Mesoporous Materials, 2000, 38, 391-401.	2.2	41

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163	Direct conversion of cellulose to sorbitol over ruthenium catalysts: Influence of the support. Catalysis Today, 2017, 279, 244-251.	2.2	41
164	A simplified method for determination of lignocellulosic materials pyrolysis kinetics from isothermal thermogravimetric experiments. Thermochimica Acta, 2001, 380, 67-78.	1.2	39
165	Oxidative dehydrogenation of ethylbenzene on activated carbon fibers. Carbon, 2002, 40, 2393-2401.	5.4	39
166	Highly dispersed activated carbon supported platinum catalysts prepared by OMCVD: a comparison with wet impregnated catalysts. Applied Catalysis A: General, 2003, 243, 357-365.	2.2	39
167	Catalytic wet air oxidation of olive mill wastewater. Catalysis Today, 2007, 124, 254-259.	2.2	39
168	Exotemplated copper, cobalt, iron, lanthanum and nickel oxides for catalytic oxidation of ethyl acetate. Journal of Environmental Chemical Engineering, 2013, 1, 795-804.	3.3	39
169	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
170	Carbon-supported iridium catalysts in the catalytic wet air oxidation of carboxylic acids: kinetics and mechanistic interpretation. Journal of Molecular Catalysis A, 2002, 182-183, 47-60.	4.8	38
171	Mixture effects during the oxidation of toluene, ethyl acetate and ethanol over a cryptomelane catalyst. Journal of Hazardous Materials, 2011, 185, 1236-1240.	6.5	38
172	Photocatalytic activity of functionalized nanodiamond-TiO2 composites towards water pollutants degradation under UV/Vis irradiation. Applied Surface Science, 2018, 458, 839-848.	3.1	38
173	Adsorption of aromatic compounds from the biodegradation of azo dyes on activated carbon. Applied Surface Science, 2008, 254, 3497-3503.	3.1	37
174	Pt-catalysts supported on activated carbons for catalytic wet air oxidation of aniline: Activity and stability. Applied Catalysis B: Environmental, 2011, 105, 86-94.	10.8	37
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