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## List of Publications by Year in descending order

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340  
papers

22,586  
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6254

80  
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12597

132  
g-index

360  
all docs

360  
docs citations

360  
times ranked

20204  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modification of the surface chemistry of activated carbons. Carbon, 1999, 37, 1379-1389.	10.3	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.	20.2	562
3	The role of surface chemistry in catalysis with carbons. Catalysis Today, 2010, 150, 2-7.	4.4	558
4	Adsorption of dyes on activated carbons: influence of surface chemical groups. Carbon, 2003, 41, 811-821.	10.3	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.	4.4	311
7	Characterization of Active Sites on Carbon Catalysts. Industrial & Engineering Chemistry Research, 2007, 46, 4110-4115.	3.7	308
8	Adsorption of ciprofloxacin on surface-modified carbon materials. Water Research, 2011, 45, 4583-4591.	11.3	289
9	Design of graphene-based TiO <sub>2</sub> photocatalysts—a review. Environmental Science and Pollution Research, 2012, 19, 3676-3687.	5.3	272
10	Advanced nanostructured photocatalysts based on reduced graphene oxide—TiO <sub>2</sub> composites for degradation of diphenhydramine pharmaceutical and methyl orange dye. Applied Catalysis B: Environmental, 2012, 123-124, 241-256.	20.2	270
11	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
12	Adsorption of simple aromatic compounds on activated carbons. Journal of Colloid and Interface Science, 2006, 293, 128-136.	9.4	236
13	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
14	Oxidation of CO, ethanol and toluene over TiO <sub>2</sub> supported noble metal catalysts. Applied Catalysis B: Environmental, 2010, 99, 198-205.	20.2	221
15	Functionalization of porous carbons for catalytic applications. Journal of Materials Chemistry A, 2013, 1, 9351.	10.3	217
16	Properties of Carbon-Supported Platinum Catalysts: Role of Carbon Surface Sites. Journal of Catalysis, 2002, 209, 355-364.	6.2	207
17	A chemical vapour deposition process for the production of carbon nanospheres. Carbon, 2001, 39, 621-626.	10.3	187
18	Influence of the surface chemistry of multi-walled carbon nanotubes on their activity as ozonation catalysts. Carbon, 2010, 48, 4369-4381.	10.3	176

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19	MWCNT activation and its influence on the catalytic performance of Pt/MWCNT catalysts for selective hydrogenation. <i>Carbon</i> , 2008, 46, 1194-1207.	10.3	172
20	Structural and chemical disorder of cryptomelane promoted by alkali doping: Influence on catalytic properties. <i>Journal of Catalysis</i> , 2012, 293, 165-174.	6.2	165
21	Characterization of the surface chemistry of carbon materials by potentiometric titrations and temperature-programmed desorption. <i>Carbon</i> , 2008, 46, 1544-1555.	10.3	162
22	Multi-walled carbon nanotube/PVDF blended membranes with sponge- and finger-like pores for direct contact membrane distillation. <i>Desalination</i> , 2015, 357, 233-245.	8.2	158
23	A model for pyrolysis of wet wood. <i>Chemical Engineering Science</i> , 1989, 44, 2861-2869.	3.8	151
24	Catalytic activity of carbon nanotubes in the oxidative dehydrogenation of ethylbenzene. <i>Carbon</i> , 2004, 42, 2807-2813.	10.3	150
25	Nanostructured mesoporous carbons: Tuning texture and surface chemistry. <i>Carbon</i> , 2016, 108, 79-102.	10.3	149
26	Graphene oxide-P25 photocatalysts for degradation of diphenhydramine pharmaceutical and methyl orange dye. <i>Applied Surface Science</i> , 2013, 275, 361-368.	6.1	145
27	Catalytic wet peroxide oxidation: a route towards the application of hybrid magnetic carbon nanocomposites for the degradation of organic pollutants. A review. <i>Applied Catalysis B: Environmental</i> , 2016, 187, 428-460.	20.2	143
28	Manganese oxide OMS-2 as an effective catalyst for total oxidation of ethyl acetate. <i>Applied Catalysis B: Environmental</i> , 2007, 72, 129-135.	20.2	142
29	Methane dry reforming on Ni loaded hydroxyapatite and fluoroapatite. <i>Applied Catalysis A: General</i> , 2007, 317, 299-309.	4.3	133
30	Ceramic photocatalytic membranes for water filtration under UV and visible light. <i>Applied Catalysis B: Environmental</i> , 2015, 178, 12-19.	20.2	132
31	Catalytic properties of carbon materials for wet oxidation of aniline. <i>Journal of Hazardous Materials</i> , 2008, 159, 420-426.	12.4	129
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.	6.2	129
33	Synthesis and characterization of nitrogen-doped carbon xerogels. <i>Carbon</i> , 2009, 47, 2032-2039.	10.3	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.	4.4	129
35	Enhanced biocatalytic sustainability of laccase by immobilization on functionalized carbon nanotubes/polysulfone membranes. <i>Chemical Engineering Journal</i> , 2019, 355, 974-985.	12.7	124
36	Role of oxygen functionalities on the synthesis of photocatalytically active graphene-TiO <sub>2</sub> composites. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 329-340.	20.2	117

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37	Easy method to prepare N-doped carbon nanotubes by ball milling. Carbon, 2015, 91, 114-121.	10.3	111
38	Manganese oxide catalysts synthesized by exotemplating for the total oxidation of ethanol. Applied Catalysis B: Environmental, 2009, 93, 30-37.	20.2	109
39	Graphene oxide based ultrafiltration membranes for photocatalytic degradation of organic pollutants in salty water. Water Research, 2015, 77, 179-190.	11.3	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.	10.3	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.	4.3	104
42	Metal-free graphene-based catalytic membrane for degradation of organic contaminants by persulfate activation. Chemical Engineering Journal, 2019, 369, 223-232.	12.7	104
43	The influence of structure and surface chemistry of carbon materials on the decomposition of hydrogen peroxide. Carbon, 2013, 62, 97-108.	10.3	103
44	Platinum-rare earth electrodes for hydrogen evolution in alkaline water electrolysis. International Journal of Hydrogen Energy, 2013, 38, 3137-3145.	7.1	102
45	Hydrothermal functionalization of ordered mesoporous carbons: The effect of boron on supercapacitor performance. Carbon, 2015, 95, 72-83.	10.3	102
46	Catalytic oxidation of volatile organic compounds. Applied Catalysis B: Environmental, 2005, 57, 117-123.	20.2	100
47	Catalytic performance of Au/ZnO nanocatalysts for CO oxidation. Journal of Catalysis, 2010, 273, 191-198.	6.2	99
48	New insights into the functionalization of multi-walled carbon nanotubes with aniline derivatives. Carbon, 2012, 50, 3280-3294.	10.3	99
49	Gold supported on metal oxides for volatile organic compounds total oxidation. Catalysis Today, 2015, 244, 103-114.	4.4	99
50	Bimetallic Pt-Sn catalysts supported on activated carbon. Applied Catalysis A: General, 2000, 192, 29-42.	4.3	98
51	Oxidative dehydrogenation of ethylbenzene on activated carbon catalysts. Applied Catalysis A: General, 2001, 218, 307-318.	4.3	98
52	Preparation of carbon-based adsorbents from pyrolysis and air activation of sewage sludges. Chemical Engineering Journal, 2005, 108, 169-177.	12.7	97
53	Synthesis and Characterization of Manganese Oxide Catalysts for the Total Oxidation of Ethyl Acetate. Topics in Catalysis, 2009, 52, 470-481.	2.8	97
54	Effect of Mg, Ca, and Sr on CeO <sub>2</sub> 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.	3.7	96

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55	Methane decomposition on Ni-Cu alloyed Raney-type catalysts. International Journal of Hydrogen Energy, 2009, 34, 4763-4772.	7.1	95
56	Controlled surface functionalization of multiwall carbon nanotubes by HNO <sub>3</sub> hydrothermal oxidation. Carbon, 2014, 69, 311-326.	10.3	95
57	Prototype composite membranes of partially reduced graphene oxide/TiO <sub>2</sub> for photocatalytic ultrafiltration water treatment under visible light. Applied Catalysis B: Environmental, 2014, 158-159, 361-372.	20.2	95
58	Gold nanoparticles supported on carbon materials for cyclohexane oxidation with hydrogen peroxide. Applied Catalysis A: General, 2013, 467, 279-290.	4.3	93
59	Redox properties and VOC oxidation activity of Cu catalysts supported on Ce <sub>1-x</sub> Sm <sub>x</sub> O <sub>3</sub> mixed oxides. Journal of Hazardous Materials, 2013, 261, 512-521.	12.4	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.	8.0	92
61	Catalytic oxidation of NO to NO <sub>2</sub> on N-doped activated carbons. Catalysis Today, 2011, 176, 383-387.	4.4	91
62	Homogeneous and heterogenised new gold C-scorpionate complexes as catalysts for cyclohexane oxidation. Catalysis Science and Technology, 2013, 3, 3056.	4.1	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.	20.2	90
64	Gasification of carbon deposits on nickel catalysts. Journal of Catalysis, 1975, 40, 154-159.	6.2	89
65	Highly dispersed platinum catalysts prepared by impregnation of texture-tailored carbon xerogels. Journal of Catalysis, 2006, 240, 160-171.	6.2	89
66	Photocatalytic degradation of caffeine: Developing solutions for emerging pollutants. Catalysis Today, 2013, 209, 108-115.	4.4	88
67	Effect of preparation method on the solid state properties and the deN <sub>2</sub> O performance of Cu-Ce <sub>2</sub> O <sub>3</sub> oxides. Catalysis Science and Technology, 2015, 5, 3714-3727.	4.1	88
68	Carbon nanotubes and xerogels as supports of well-dispersed Pt catalysts for environmental applications. Applied Catalysis B: Environmental, 2004, 54, 175-182.	20.2	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.	4.4	87
70	TiO <sub>2</sub> , surface modified TiO <sub>2</sub> and graphene oxide-TiO <sub>2</sub> photocatalysts for degradation of water pollutants under near-UV/Vis and visible light. Chemical Engineering Journal, 2013, 224, 17-23.	12.7	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.	4.4	85
72	Carbon-supported Mo <sub>2</sub> C electrocatalysts for hydrogen evolution reaction. Journal of Materials Chemistry A, 2015, 3, 15505-15512.	10.3	85

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73	Platinum catalysts supported on MWNT for catalytic wet air oxidation of nitrogen containing compounds. <i>Catalysis Today</i> , 2005, 102-103, 101-109.	4.4	84
74	Hydrogenation of nitrobenzene over nickel nanoparticles stabilized by filamentous carbon. <i>Applied Catalysis A: General</i> , 2008, 351, 204-209.	4.3	84
75	N/S-doped graphene derivatives and TiO <sub>2</sub> for catalytic ozonation and photocatalysis of water pollutants. <i>Chemical Engineering Journal</i> , 2018, 348, 888-897.	12.7	84
76	Controlling the surface chemistry of carbon xerogels using HNO <sub>3</sub> -hydrothermal oxidation. <i>Carbon</i> , 2009, 47, 1670-1679.	10.3	83
77	Stabilized gold on cerium-modified cryptomelane: Highly active in low-temperature CO oxidation. <i>Journal of Catalysis</i> , 2014, 309, 58-65.	6.2	83
78	Towards Controlled Degradation of Poly(lactic) Acid in Technical Applications. <i>Journal of Carbon Research</i> , 2021, 7, 42.	2.7	83
79	Oxidative dehydrogenation of ethylbenzene on activated carbon catalysts. <i>Applied Catalysis A: General</i> , 2000, 196, 43-54.	4.3	82
80	Tuning of texture and surface chemistry of carbon xerogels. <i>Journal of Colloid and Interface Science</i> , 2008, 324, 150-155.	9.4	81
81	Oxygen activation sites in gold and iron catalysts supported on carbon nitride and activated carbon. <i>Journal of Catalysis</i> , 2010, 274, 207-214.	6.2	81
82	Surface activation of a polymer based carbon. <i>Carbon</i> , 2004, 42, 1321-1325.	10.3	80
83	Styrene oxidation by manganese Schiff base complexes in zeolite structures. <i>Journal of Molecular Catalysis A</i> , 2006, 258, 327-333.	4.8	80
84	Heterogenisation of a Câ€šscorpionate Fe<sup>II</sup> Complex on Carbon Materials for Cyclohexane Oxidation with Hydrogen Peroxide. <i>ChemCatChem</i> , 2013, 5, 3847-3856.	3.7	80
85	Catalytic decomposition of methane on Raney-type catalysts. <i>Applied Catalysis A: General</i> , 2008, 348, 103-112.	4.3	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. <i>Applied Catalysis B: Environmental</i> , 2011, 104, 330-336.	20.2	76
87	Gold supported on metal oxides for carbon monoxide oxidation. <i>Nano Research</i> , 2011, 4, 180-193.	10.4	76
88	Heterogenization of a Functionalized Copper(II) Schiff Base Complex by Direct Immobilization onto an Oxidized Activated Carbon. <i>Langmuir</i> , 2002, 18, 8017-8024.	3.5	75
89	Immobilisation of amine-functionalised nickel(II) Schiff base complexes onto activated carbon treated with thionyl chloride. <i>Microporous and Mesoporous Materials</i> , 2002, 55, 275-284.	4.4	75
90	NO oxidation over nitrogen doped carbon xerogels. <i>Applied Catalysis B: Environmental</i> , 2012, 125, 398-408.	20.2	75

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91	Photocatalytic behaviour of nanocarbon@TiO <sub>2</sub> composites and immobilization into hollow fibres. <i>Applied Catalysis B: Environmental</i> , 2013, 142-143, 101-111.	20.2	75
92	An overview on exploration and environmental impact of unconventional gas sources and treatment options for produced water. <i>Journal of Environmental Management</i> , 2017, 200, 511-529.	7.8	75
93	Exotemplated ceria catalysts with gold for CO oxidation. <i>Applied Catalysis A: General</i> , 2010, 381, 150-160.	4.3	74
94	Nanostructured iron oxide catalysts with gold for the oxidation of carbon monoxide. <i>RSC Advances</i> , 2012, 2, 2957.	3.6	74
95	The role of activated carbons functionalized with thiol and sulfonic acid groups in catalytic wet peroxide oxidation. <i>Applied Catalysis B: Environmental</i> , 2011, 106, 390-397.	20.2	73
96	Modified activated carbon as catalyst for NO oxidation. <i>Fuel Processing Technology</i> , 2013, 106, 727-733.	7.2	73
97	Production of SiC and Si <sub>3</sub> N <sub>4</sub> whiskers in C+SiO <sub>2</sub> solid mixtures. <i>Materials Chemistry and Physics</i> , 2001, 72, 326-331.	4.0	72
98	Thin-film composite forward osmosis membranes based on polysulfone supports blended with nanostructured carbon materials. <i>Journal of Membrane Science</i> , 2016, 520, 326-336.	8.2	72
99	Pyrolysis kinetics of lignocellulosic materials by multistage isothermal thermogravimetry. <i>Journal of Analytical and Applied Pyrolysis</i> , 1988, 13, 123-134.	5.5	71
100	Au/activated-carbon catalysts for selective oxidation of alcohols with molecular oxygen under atmospheric pressure: Role of basicity. <i>Catalysis Communications</i> , 2008, 9, 2395-2397.	3.3	71
101	Catalytic oxidation of volatile organic compounds (VOCs) Oxidation of o-xylene over Pt/HBEA catalysts. <i>Applied Catalysis B: Environmental</i> , 2003, 46, 371-379.	20.2	70
102	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.	10.3	68
103	Preparation of carbon molecular sieves for gas separations by modification of the pore sizes of activated carbons. <i>Fuel</i> , 2001, 80, 1-6.	6.4	67
104	Catalytic oxidation of ethyl acetate over a cesium modified cryptomelane catalyst. <i>Applied Catalysis B: Environmental</i> , 2009, 88, 550-556.	20.2	67
105	Influence of Multiwalled Carbon Nanotubes as Additives in Biomass-Derived Carbons for Supercapacitor Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 6066-6077.	8.0	67
106	Carbon-based TiO <sub>2</sub> materials for the degradation of Microcystin-LA. <i>Applied Catalysis B: Environmental</i> , 2015, 170-171, 74-82.	20.2	66
107	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.	10.3	66
108	Carbon Monoxide Oxidation Catalysed by Exotemplated Manganese Oxides. <i>Catalysis Letters</i> , 2010, 134, 217-227.	2.6	65

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109	Gold nanoparticles on ceria supports for the oxidation of carbon monoxide. <i>Catalysis Today</i> , 2010, 154, 21-30.	4.4	65
110	Ce-Doped La <sub>2</sub> O <sub>3</sub> based catalyst for the oxidative coupling of methane. <i>Catalysis Communications</i> , 2013, 42, 50-53.	3.3	65
111	Developing highly active photocatalysts: Gold-loaded ZnO for solar phenol oxidation. <i>Journal of Catalysis</i> , 2014, 316, 182-190.	6.2	65
112	Anchoring of a nickel(II) Schiff base complex onto activated carbon mediated by cyanuric chloride. <i>Microporous and Mesoporous Materials</i> , 2001, 46, 211-221.	4.4	64
113	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.	9.4	64
114	Reaction Mechanism of Aerobic Oxidation of Alcohols Conducted on Activated Carbon-Supported Cobalt Oxide Catalysts. <i>Chemistry - A European Journal</i> , 2011, 17, 7112-7117.	3.3	63
115	Nitrogen-doped graphene-based materials for advanced oxidation processes. <i>Catalysis Today</i> , 2015, 249, 192-198.	4.4	62
116	Catalytic conversion of cellulose to sorbitol over Ru supported on biomass-derived carbon-based materials. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117826.	20.2	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. <i>New Journal of Chemistry</i> , 2003, 27, 1511.	2.8	59
118	Graphene-based materials for the catalytic wet peroxide oxidation of highly concentrated 4-nitrophenol solutions. <i>Catalysis Today</i> , 2015, 249, 204-212.	4.4	59
119	Catalytic oxidation of ethyl acetate on cerium-containing mixed oxides. <i>Applied Catalysis A: General</i> , 2014, 472, 101-112.	4.3	58
120	Hydrogenation of chloronitrobenzenes over filamentous carbon stabilized nickel nanoparticles. <i>Catalysis Communications</i> , 2009, 10, 1203-1206.	3.3	56
121	Molybdenum Carbide Nanoparticles on Carbon Nanotubes and Carbon Xerogel: Low-Cost Cathodes for Hydrogen Production by Alkaline Water Electrolysis. <i>ChemSusChem</i> , 2016, 9, 1200-1208.	6.8	56
122	Methane decomposition on Fe-Cu Raney-type catalysts. <i>Fuel Processing Technology</i> , 2009, 90, 1234-1240.	7.2	55
123	Hydrogen production via methane decomposition on Raney-type catalysts. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 9795-9800.	7.1	55
124	Controlling and Quantifying Oxygen Functionalities on Hydrothermally and Thermally Treated Single-Wall Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 8534-8546.	3.1	55
125	Understanding the silylation reaction of multi-walled carbon nanotubes. <i>Carbon</i> , 2011, 49, 3441-3453.	10.3	55
126	Oxidative dehydrogenation of isobutane over activated carbon catalysts. <i>Applied Catalysis A: General</i> , 2006, 311, 51-57.	4.3	54



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127	Importance of palladium dispersion in Pd/Al <sub>2</sub> O <sub>3</sub> catalysts for complete oxidation of humid low-methane air mixtures. <i>Catalysis Today</i> , 2008, 137, 329-334.	4.4	54
128	Electrocatalytic approach for the efficiency increase of electrolytic hydrogen production: Proof-of-concept using platinum-dysprosium alloys. <i>Energy</i> , 2013, 50, 486-492.	8.8	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. <i>Applied Catalysis B: Environmental</i> , 2016, 184, 381-396.	20.2	54
130	Carbon supports for methanol oxidation catalyst. <i>Journal of Power Sources</i> , 2005, 151, 79-84.	7.8	52
131	Wet air oxidation of nitro-aromatic compounds: Reactivity on single- and multi-component systems and surface chemistry studies with a carbon xerogel. <i>Applied Catalysis B: Environmental</i> , 2008, 84, 75-86.	20.2	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. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 314-321.	20.2	52
133	Modification of the surface chemistry of single- and multi-walled carbon nanotubes by HNO <sub>3</sub> and H <sub>2</sub> SO <sub>4</sub> hydrothermal oxidation for application in direct contact membrane distillation. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12237-12250.	2.8	52
134	Lignin-based activated carbons as metal-free catalysts for the oxidative degradation of 4-nitrophenol in aqueous solution. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 372-378.	20.2	52
135	Adsorption of dyes on carbon xerogels and templated carbons: influence of surface chemistry. <i>Adsorption</i> , 2011, 17, 431-441.	3.0	50
136	Carbon xerogel supported Pt and Pt-Ni catalysts for electro-oxidation of methanol in basic medium. <i>Catalysis Today</i> , 2005, 102-103, 173-176.	4.4	49
137	Facile one-pot synthesis of Pt nanoparticles /SBA-15: an active and stable material for catalytic applications. <i>Energy and Environmental Science</i> , 2011, 4, 2020.	30.8	49
138	Hummers and Brodie graphene oxides as photocatalysts for phenol degradation. <i>Journal of Colloid and Interface Science</i> , 2020, 567, 243-255.	9.4	49
139	Effect of chloride on the sinterization of Au/CeO <sub>2</sub> catalysts. <i>Catalysis Today</i> , 2010, 154, 293-302.	4.4	48
140	Selective Oxidation of Glycerol Catalyzed by Rh/Activated Carbon: Importance of Support Surface Chemistry. <i>Catalysis Letters</i> , 2011, 141, 420-431.	2.6	48
141	Removal of 2-nitrophenol by catalytic wet peroxide oxidation using carbon materials with different morphological and chemical properties. <i>Applied Catalysis B: Environmental</i> , 2013, 140-141, 356-362.	20.2	48
142	Nitrogen-doped carbon xerogels as catalysts for advanced oxidation processes. <i>Catalysis Today</i> , 2015, 241, 73-79.	4.4	48
143	Oxygen surface groups analysis of carbonaceous samples pyrolysed at low temperature. <i>Carbon</i> , 2018, 134, 255-263.	10.3	48
144	Novel carbon supported material: highly dispersed platinum particles on carbon nanospheres. <i>Journal of Materials Chemistry</i> , 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. <i>Catalysis Today</i> , 2005, 102-103, 154-159.	4.4	47
146	Textural and mechanical characteristics of carbon aerogels synthesized by polymerization of resorcinol and formaldehyde using alkali carbonates as basification agents. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10365.	2.8	46
147	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.	20.2	46
148	Catalytic performance of heteroatom-modified carbon nanotubes in advanced oxidation processes. <i>Chinese Journal of Catalysis</i> , 2014, 35, 896-905.	14.0	46
149	Oxidovanadium(V) Complexes Anchored on Carbon Materials as Catalysts for the Oxidation of 1-Phenylethanol. <i>ChemCatChem</i> , 2016, 8, 2254-2266.	3.7	46
150	Highly efficient and reusable CNT supported iron(II) catalyst for microwave assisted alcohol oxidation. <i>Dalton Transactions</i> , 2016, 45, 6816-6819.	3.3	46
151	A Nanopore Lithography Strategy for Synthesizing Hierarchically Micro/Mesoporous Carbons from ZIF-8/Graphene Oxide Hybrids for Electrochemical Energy Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44740-44755.	8.0	46
152	Pyrolysis of holm-oak wood: influence of temperature and particle size. <i>Fuel</i> , 1989, 68, 1012-1016.	6.4	45
153	Synthesis and functionalization of carbon xerogels to be used as supports for fuel cell catalysts. <i>Journal of Energy Chemistry</i> , 2013, 22, 195-201.	12.9	45
154	Bimetallic Pt-Sn catalysts supported on activated carbon. II. CO oxidation. <i>Catalysis Today</i> , 2000, 62, 337-346.	4.4	44
155	Pt-Ru catalysts supported on carbon xerogels for PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 7200-7211.	7.1	44
156	CoMn-LDH@carbon nanotube composites: Bifunctional electrocatalysts for oxygen reactions. <i>Catalysis Today</i> , 2018, 301, 17-24.	4.4	44
157	Kinetics of cellulose pyrolysis modelled by three consecutive first-order reactions. <i>Journal of Analytical and Applied Pyrolysis</i> , 1989, 17, 37-46.	5.5	43
158	Enhanced electrocatalytic activity of carbon-supported MnOx/Ru catalysts for methanol oxidation in fuel cells. <i>Journal of Power Sources</i> , 2006, 153, 36-40.	7.8	43
159	Mesoporous carbon supported Pt and Pt-Sn catalysts for hydrogenation of cinnamaldehyde. <i>Catalysis Today</i> , 2005, 102-103, 183-188.	4.4	42
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308	Heteroatom (N, S) Co-Doped CNTs in the Phenol Oxidation by Catalytic Wet Air Oxidation. <i>Catalysts</i> , 2021, 11, 578.	3.5	7
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