

Francisco J Maldonado-Hdar

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#	Paper	IF	Citations
157	Carbon aerogels for catalysis applications: An overview. <i>Carbon</i> , 2005 , 43, 455-465	10.4	538
156	Azo-dye Orange II degradation by heterogeneous Fenton-like reaction using carbon-Fe catalysts. <i>Applied Catalysis B: Environmental</i> , 2007 , 75, 312-323	21.8	432
155	Catalytic Graphitization of Carbon Aerogels by Transition Metals. <i>Langmuir</i> , 2000 , 16, 4367-4373	4	393
154	Effects of non-oxidant and oxidant acid treatments on the surface properties of an activated carbon with very low ash content. <i>Carbon</i> , 1998 , 36, 145-151	10.4	262
153	Optimization of conditions for the preparation of activated carbons from olive-waste cakes. <i>Carbon</i> , 2001 , 39, 425-432	10.4	243
152	Fenton-like degradation of azo-dye Orange II catalyzed by transition metals on carbon aerogels. <i>Applied Catalysis B: Environmental</i> , 2009 , 85, 139-147	21.8	166
151	Synthesis and textural characteristics of organic aerogels, transition-metal-containing organic aerogels and their carbonized derivatives. <i>Carbon</i> , 1999 , 37, 1199-1205	10.4	159
150	Activated carbons from KOH and H ₃ PO ₄ -activation of olive residues and its application as supercapacitor electrodes. <i>Electrochimica Acta</i> , 2017 , 229, 219-228	6.7	149
149	On the nature of surface acid sites of chlorinated activated carbons. <i>Carbon</i> , 2003 , 41, 473-478	10.4	113
148	Influence of the characteristics of carbon materials on their behaviour as heterogeneous Fenton catalysts for the elimination of the azo dye Orange II from aqueous solutions. <i>Applied Catalysis B: Environmental</i> , 2011 , 103, 109-115	21.8	91
147	Physicochemical Surface Properties of Fe, Co, Ni, and Cu-Doped Monolithic Organic Aerogels. <i>Langmuir</i> , 2003 , 19, 5650-5655	4	90
146	Catalytic combustion of toluene on platinum-containing monolithic carbon aerogels. <i>Applied Catalysis B: Environmental</i> , 2004 , 54, 217-224	21.8	87
145	Group 6 metal oxide-carbon aerogels. Their synthesis, characterization and catalytic activity in the skeletal isomerization of 1-butene. <i>Applied Catalysis A: General</i> , 1999 , 183, 345-356	5.1	87
144	Treatment of textile effluents by the heterogeneous Fenton process in a continuous packed-bed reactor using Fe/activated carbon as catalyst. <i>Chemical Engineering Journal</i> , 2013 , 232, 34-41	14.7	77
143	New carbon xerogel-TiO ₂ composites with high performance as visible-light photocatalysts for dye mineralization. <i>Applied Catalysis B: Environmental</i> , 2017 , 201, 29-40	21.8	77
142	Treatment of azo dye-containing wastewater by a Fenton-like process in a continuous packed-bed reactor filled with activated carbon. <i>Journal of Hazardous Materials</i> , 2012 , 237-238, 30-7	12.8	70
141	Design of low-temperature Pt-carbon combustion catalysts for VOC's treatments. <i>Journal of Hazardous Materials</i> , 2010 , 183, 814-22	12.8	69

140	Reversible toluene adsorption on monolithic carbon aerogels. <i>Journal of Hazardous Materials</i> , 2007 , 148, 548-52	12.8	67
139	Surface morphology, metal dispersion, and pore texture of transition metal-doped monolithic carbon aerogels and steam-activated derivatives. <i>Microporous and Mesoporous Materials</i> , 2004 , 69, 119-123	5.3	66
138	Activated carbons from agricultural waste solvothermally doped with sulphur as electrodes for supercapacitors. <i>Chemical Engineering Journal</i> , 2018 , 334, 1835-1841	14.7	65
137	Tailoring the surface chemistry and porosity of activated carbons: Evidence of reorganization and mobility of oxygenated surface groups. <i>Carbon</i> , 2014 , 68, 520-530	10.4	64
136	Carbon//TiO ₂ composites as high-performance supercapacitor electrodes: synergistic effect between carbon and metal oxide phases. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 633-644	13	63
135	Surface Characteristics of Titania/Carbon Composite Aerogels. <i>Langmuir</i> , 2002 , 18, 2295-2299	4	61
134	Palladium and platinum catalysts supported on carbon nanofiber coated monoliths for low-temperature combustion of BTX. <i>Applied Catalysis B: Environmental</i> , 2009 , 89, 411-419	21.8	59
133	Activated carbon and tungsten oxide supported on activated carbon catalysts for toluene catalytic combustion. <i>Environmental Science & Technology</i> , 2004 , 38, 4664-70	10.3	59
132	Synthesis, pore texture and surface acid-base character of TiO ₂ /carbon composite xerogels and aerogels and their carbonized derivatives. <i>Applied Catalysis A: General</i> , 2000 , 203, 151-159	5.1	58
131	Catalysts Supported on Carbon Materials for the Selective Hydrogenation of Citral. <i>Catalysts</i> , 2013 , 3, 853-877	4	56
130	Experimental design to optimize preparation of activated carbons for use in water treatment. <i>Environmental Science & Technology</i> , 2002 , 36, 3844-9	10.3	56
129	A comparative study of V ₂ O ₅ /AC and V ₂ O ₅ /Al ₂ O ₃ catalysts for the selective catalytic reduction of NO by NH ₃ . <i>Chemical Engineering Journal</i> , 2009 , 149, 173-182	14.7	55
128	Coupling of acrylic dyeing wastewater treatment by heterogeneous Fenton oxidation in a continuous stirred tank reactor with biological degradation in a sequential batch reactor. <i>Journal of Environmental Management</i> , 2016 , 166, 193-203	7.9	53
127	Synthesis of Ti _x O _y nanocrystals in mild synthesis conditions for the degradation of pollutants under solar light. <i>Applied Catalysis B: Environmental</i> , 2019 , 241, 385-392	21.8	47
126	On the micro- and mesoporosity of carbon aerogels and xerogels. The role of the drying conditions during the synthesis processes. <i>Chemical Engineering Journal</i> , 2012 , 181-182, 851-855	14.7	46
125	New insight about orange II elimination by characterization of spent activated carbon/Fe Fenton-like catalysts. <i>Applied Catalysis B: Environmental</i> , 2013 , 129, 264-272	21.8	42
124	Influence of Pt particle size on catalytic combustion of xylenes on carbon aerogel-supported Pt catalysts. <i>Applied Catalysis B: Environmental</i> , 2005 , 61, 253-258	21.8	42
123	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, 10365-72	3.6	41

122	Pd and Pt catalysts supported on carbon-coated monoliths for low-temperature combustion of xylenes. <i>Carbon</i> , 2006 , 44, 2463-2468	10.4	41
121	Physicochemical properties of new cellulose-TiO ₂ composites for the removal of water pollutants: Developing specific interactions and performances by cellulose functionalization. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 5032-5041	6.8	40
120	Effect of the preparation method on the catalytic activity and stability of Au/Fe ₂ O ₃ catalysts in the low-temperature water-gas shift reaction. <i>Applied Catalysis A: General</i> , 2014 , 470, 45-55	5.1	40
119	Supported Gold Nanoparticles as Reusable Catalysts for Oxidation Reactions of Industrial Significance. <i>ChemCatChem</i> , 2017 , 9, 1211-1221	5.2	39
118	Synthesis and properties of phloroglucinol-phenol-formaldehyde carbon aerogels and xerogels. <i>Langmuir</i> , 2009 , 25, 2461-6	4	39
117	Tungsten oxide catalysts supported on activated carbons: effect of tungsten precursor and pretreatment on dispersion, distribution, and surface acidity of catalysts. <i>Journal of Catalysis</i> , 2003 , 217, 30-37	7.3	39
116	Influence of the iron precursor in the preparation of heterogeneous Fe/activated carbon Fenton-like catalysts. <i>Applied Catalysis A: General</i> , 2013 , 458, 39-47	5.1	38
115	Influence of carbon-oxygen surface complexes on the surface acidity of tungsten oxide catalysts supported on activated carbons. <i>Carbon</i> , 2003 , 41, 1157-1167	10.4	38
114	Influence of the Particle Size of Activated Carbons on Their Performance as Fe Supports for Developing Fenton-like Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 9218-9226	3.9	37
113	Carbon dioxide hydrogenation over supported Au nanoparticles: Effect of the support. <i>Journal of CO₂ Utilization</i> , 2017 , 19, 247-256	7.6	36
112	Enlarging an Isorecticular Family: 3,3',5,5'-Tetramethyl-4,4'-bipyrazolato-Based Porous Coordination Polymers. <i>Crystal Growth and Design</i> , 2013 , 13, 3087-3097	3.5	35
111	Preparation of carbon aerogel supported platinum catalysts for the selective hydrogenation of cinnamaldehyde. <i>Applied Catalysis A: General</i> , 2012 , 425-426, 161-169	5.1	34
110	Synthesis and surface characteristics of silica and alumina-carbon composite xerogels. <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 4818-4822	3.6	34
109	The Effects of Coke Deposition on NiMoO ₄ Used in the Oxidative Dehydrogenation of Butane. <i>Journal of Catalysis</i> , 1996 , 164, 399-410	7.3	34
108	Development of Carbon-ZrO ₂ composites with high performance as visible-light photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2017 , 217, 540-550	21.8	33
107	Heterogeneous Fenton oxidation using Fe/ZSM-5 as catalyst in a continuous stirred tank reactor. <i>Separation and Purification Technology</i> , 2015 , 141, 235-245	8.3	33
106	Pt-catalysts supported on activated carbons for catalytic wet air oxidation of aniline: Activity and stability. <i>Applied Catalysis B: Environmental</i> , 2011 , 105, 86-94	21.8	33
105	Morphology of heat-treated tungsten doped monolithic carbon aerogels. <i>Carbon</i> , 2003 , 41, 1291-1299	10.4	33

104	Metal-carbon aerogels as catalysts and catalyst supports. <i>Studies in Surface Science and Catalysis</i> , 2000 , 1007-1012	1.8	32
103	Application of Au/TiO ₂ catalysts in the low-temperature water-gas shift reaction. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 4670-4681	6.7	31
102	Oxidative Dehydrogenation of n-Butane over Alkali and Alkaline Earth-Promoted NiMoO ₄ Catalysts. <i>Journal of Catalysis</i> , 1997 , 169, 469-479	7.3	31
101	Carbon-based monolithic supports for palladium catalysts: The role of the porosity in the gas-phase total combustion of m-xylene. <i>Applied Catalysis B: Environmental</i> , 2008 , 77, 272-277	21.8	31
100	Influence of the Alkali in Pt/Alkali-Zeolite on the Pt Characteristics and Catalytic Activity in the Transformation of n-Hexane. <i>Journal of Catalysis</i> , 2000 , 195, 342-351	7.3	30
99	Biogas upgrading by selective adsorption onto CO ₂ activated carbon from wood pellets. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 1386-1393	6.8	29
98	Reduction of NO with metal-doped carbon aerogels. <i>Applied Catalysis B: Environmental</i> , 2009 , 88, 135-141	11.8	27
97	Wet air oxidation of trinitrophenol with activated carbon catalysts: Effect of textural properties on the mechanism of degradation. <i>Applied Catalysis B: Environmental</i> , 2010 , 100, 310-317	21.8	27
96	Molybdenum carbide formation in molybdenum-doped organic and carbon aerogels. <i>Langmuir</i> , 2005 , 21, 10850-5	4	27
95	Treatment of high-strength olive mill wastewater by combined Fenton-like oxidation and coagulation/flocculation. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103252	6.8	26
94	The use of coals as catalysts for the oxidative dehydrogenation of n-butane. <i>Applied Catalysis A: General</i> , 1999 , 178, 49-60	5.1	26
93	Oxidative dehydrogenation of butane: changes in chemical, structural and catalytic behavior of Cs-doped nickel molybdate. <i>Journal of Molecular Catalysis A</i> , 1996 , 111, 313-323		26
92	Electrochemical performances of supercapacitors from carbon-ZrO ₂ composites. <i>Electrochimica Acta</i> , 2018 , 259, 803-814	6.7	26
91	Structural characterization of carbon xerogels: From film to monolith. <i>Microporous and Mesoporous Materials</i> , 2012 , 153, 24-29	5.3	25
90	Aromatization of n-Heptane on Pt/Alkali or Alkali-Earth Exchanged Beta Zeolite Catalysts: Catalyst Deactivation and Regeneration. <i>Journal of Catalysis</i> , 1998 , 178, 1-13	7.3	25
89	Free metal oxygen-reduction electro-catalysts obtained from biomass residue of the olive oil industry. <i>Chemical Engineering Journal</i> , 2016 , 306, 1109-1115	14.7	25
88	Microspheres of carbon xerogel: An alternative Pt-support for the selective hydrogenation of citral. <i>Applied Catalysis A: General</i> , 2014 , 482, 318-326	5.1	24
87	Advances in the development of nanostructured catalysts based on carbon gels. <i>Catalysis Today</i> , 2013 , 218-219, 43-50	5.3	23

86	Influence of Cesium in Pt/NaCs on the Physico-Chemical and Catalytic Properties of the Pt Clusters in the Aromatization of n-Hexane. <i>Journal of Catalysis</i> , 1999 , 181, 244-255	7.3	23
85	Cobalt-Doped Carbon Gels as Electro-Catalysts for the Reduction of CO ₂ to Hydrocarbons. <i>Catalysts</i> , 2017 , 7, 25	4	22
84	Use of pipe deposits from water networks as novel catalysts in paraquat peroxidation. <i>Chemical Engineering Journal</i> , 2012 , 210, 339-349	14.7	22
83	Removing aromatic and oxygenated VOCs from polluted air stream using Pt-carbon aerogels: assessment of their performance as adsorbents and combustion catalysts. <i>Journal of Hazardous Materials</i> , 2011 , 194, 216-22	12.8	22
82	Wet peroxide oxidation of dye-containing wastewaters using nanosized Au supported on Al ₂ O ₃ . <i>Catalysis Today</i> , 2017 , 280, 165-175	5.3	21
81	Highly active and stable TiO ₂ -supported Au nanoparticles for CO ₂ reduction. <i>Catalysis Communications</i> , 2017 , 98, 52-56	3.2	21
80	Tailoring activated carbons for the development of specific adsorbents of gasoline vapors. <i>Journal of Hazardous Materials</i> , 2013 , 263 Pt 2, 533-40	12.8	21
79	Coupling Noble Metals and Carbon Supports in the Development of Combustion Catalysts for the Abatement of BTX Compounds in Air Streams. <i>Catalysts</i> , 2015 , 5, 774-799	4	20
78	On the Interactions and Synergism between Phases of Carbon/Phosphorus/Titanium Composites Synthesized from Cellulose for the Removal of the Orange-G Dye. <i>Materials</i> , 2018 , 11,	3.5	20
77	Highly Efficient and Selective Catalytic Synthesis of Quinolines Involving Transition-Metal-Doped Carbon Aerogels. <i>ChemCatChem</i> , 2017 , 9, 1422-1428	5.2	19
76	Metal-free synthesis of quinolines catalyzed by carbon aerogels: Influence of the porous texture and surface chemistry. <i>Chemical Engineering Journal</i> , 2017 , 314, 488-497	14.7	19
75	Influence of the pretreatment conditions on the development and performance of active sites of Pt/TiO ₂ catalysts used for the selective citral hydrogenation. <i>Journal of Catalysis</i> , 2015 , 327, 86-95	7.3	19
74	Development of carbon xerogels as alternative Pt-supports for the selective hydrogenation of citral. <i>Catalysis Communications</i> , 2015 , 58, 64-69	3.2	19
73	Electrodes Based on Carbon Aerogels Partially Graphitized by Doping with Transition Metals for Oxygen Reduction Reaction. <i>Nanomaterials</i> , 2018 , 8,	5.4	19
72	Preparation of Polyethylene Composites Containing Silver(I) Acylpyrazolonato Additives and SAR Investigation of their Antibacterial Activity. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 29676-29687	9.5	18
71	Chemical control of the characteristics of Mo-doped carbon xerogels by surfactant-mediated synthesis. <i>Carbon</i> , 2013 , 51, 213-223	10.4	18
70	Functionalized Cellulose for the Controlled Synthesis of Novel Carbon-Ti Nanocomposites: Physicochemical and Photocatalytic Properties. <i>Nanomaterials</i> , 2020 , 10,	5.4	17
69	Insight of the effect of graphitic cluster in the performance of carbon aerogels doped with nickel as electrodes for supercapacitors. <i>Carbon</i> , 2018 , 139, 888-895	10.4	17

68	Effects of oxidant acid treatments on carbon-templated hierarchical SAPO-11 materials: Synthesis, characterization and catalytic evaluation in n -decane hydroisomerization. <i>Applied Catalysis A: General</i> , 2014 , 485, 230-237	5.1	17
67	Electrical conductivity, basicity and catalytic activity of Cs-promoted γ -NiMoO ₄ catalysts for the oxidative dehydrogenation of n-butane. <i>Applied Catalysis A: General</i> , 1997 , 158, 243-256	5.1	17
66	Catalytic decomposition of N ₂ O on inorganic oxides: Effect of doping with Au nanoparticles. <i>Molecular Catalysis</i> , 2017 , 436, 78-89	3.3	16
65	Oxidative dehydrogenation of n-butane on Cs doped nickel molybdate: Kinetics and mechanism. <i>Applied Catalysis A: General</i> , 1996 , 135, 137-153	5.1	16
64	Fitting the porosity of carbon xerogel by CO ₂ activation to improve the TMP/n-octane separation. <i>Microporous and Mesoporous Materials</i> , 2015 , 209, 10-17	5.3	15
63	Carbon - iron electro-catalysts for CO ₂ reduction. The role of the iron particle size. <i>Journal of CO₂ Utilization</i> , 2018 , 24, 240-249	7.6	15
62	Selective hydrogenation of citral by noble metals supported on carbon xerogels: Catalytic performance and stability. <i>Applied Catalysis A: General</i> , 2016 , 512, 63-73	5.1	15
61	Development of carbon coatings for cordierite foams: an alternative to cordierite honeycombs. <i>Langmuir</i> , 2008 , 24, 3267-73	4	15
60	CH ₃ -Tagged Bis(pyrazolato)-Based Coordination Polymers and Metal-Organic Frameworks: An Experimental and Theoretical Insight. <i>Crystal Growth and Design</i> , 2017 , 17, 3854-3867	3.5	14
59	Bacteria supported on carbon films for water denitrification. <i>Chemical Engineering Journal</i> , 2015 , 259, 424-429	14.7	14
58	Chemical interactions of surface-active agents with growing resorcinol-formaldehyde gels. <i>Langmuir</i> , 2010 , 26, 16103-9	4	13
57	Carbon-based monoliths for the catalytic elimination of benzene, toluene and m-xylene. <i>Applied Catalysis A: General</i> , 2009 , 366, 282-287	5.1	12
56	Chemoselective Pt-catalysts supported on carbon-TiO ₂ composites for the direct hydrogenation of citral to unsaturated alcohols. <i>Journal of Catalysis</i> , 2016 , 344, 701-711	7.3	12
55	Wastewater Treatment by Catalytic Wet Peroxidation Using Nano Gold-Based Catalysts: A Review. <i>Catalysts</i> , 2019 , 9, 478	4	11
54	Metal-doped carbon aerogels as catalysts for the aromatization of n-hexane. <i>Applied Catalysis A: General</i> , 2011 , 408, 156-162	5.1	11
53	Demineralization of a bituminous coal by froth flotation before obtaining activated carbons. <i>Carbon</i> , 1996 , 34, 917-921	10.4	11
52	Influence of the Pt-particle size on the performance of carbon supported catalysts used in the hydrogenation of citral. <i>Catalysis Communications</i> , 2016 , 82, 36-40	3.2	11
51	Platinum supported on carbon aerogels as catalysts for the n-hexane aromatization. <i>Catalysis Communications</i> , 2012 , 17, 89-94	3.2	10

50	Influence of the physicochemical properties of inorganic supports on the activity of immobilized bacteria for water denitrification. <i>Journal of Environmental Management</i> , 2015 , 156, 81-8	7.9	9
49	Resorcinol-formaldehyde carbon xerogel as selective adsorbent of carbon dioxide present on biogas. <i>Adsorption</i> , 2018 , 24, 169-177	2.6	9
48	From Carbon Molecular Sieves to VOCs filters: Carbon gels with tailored porosity for hexane isomers adsorption and separation. <i>Microporous and Mesoporous Materials</i> , 2018 , 270, 161-167	5.3	9
47	Organic and Carbon Gels. <i>Advances in Sol-gel Derived Materials and Technologies</i> , 2019 ,	0.8	8
46	Cobalt oxide-carbon nanocatalysts with highly enhanced catalytic performance for the green synthesis of nitrogen heterocycles through the Friedländer condensation. <i>Dalton Transactions</i> , 2019 , 48, 5637-5648	4.3	8
45	Fitting Biochars and Activated Carbons from Residues of the Olive Oil Industry as Supports of Fe-Catalysts for the Heterogeneous Fenton-Like Treatment of Simulated Olive Mill Wastewater. <i>Nanomaterials</i> , 2020 , 10,	5.4	8
44	Insights on Carbonaceous Materials Tailoring for Effective Removal of the Anticancer Drug 5-Fluorouracil from Contaminated Waters. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 3932-3940	3.9	8
43	New Approach to Coal Structure through Its Evolution during Dry Catalytic Hydrogenation. <i>Energy & Fuels</i> , 1997 , 11, 483-490	4.1	8
42	Photocatalytic Performance of ZnO-Graphene Oxide Composites towards the Degradation of Vanillic Acid under Solar Radiation and Visible-LED. <i>Nanomaterials</i> , 2021 , 11,	5.4	8
41	Functionalized Graphene Derivatives and TiO ₂ for High Visible Light Photodegradation of Azo Dyes. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
40	Developing strategies for the preparation of Co-carbon catalysts involved in the free solvent selective synthesis of aza-heterocycles. <i>Molecular Catalysis</i> , 2018 , 445, 223-231	3.3	7
39	Dye-containing wastewater treatment by photo-assisted wet peroxidation using Au nanosized catalysts. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 3223-3232	3.5	7
38	Influence of surfactants on the physicochemical properties and catalytic behaviour of Mo-doped carbon xerogels. <i>Catalysis Today</i> , 2018 , 301, 217-225	5.3	7
37	Influence and transformation of coal mineral matter during hydrogenation. <i>Fuel</i> , 1995 , 74, 818-822	7.1	7
36	Orange II Degradation by Wet Peroxide Oxidation Using Au Nanosized Catalysts: Effect of the Support. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 1988-1998	3.9	6
35	The use of functionalized carbon xerogels in cells growth. <i>Materials Science and Engineering C</i> , 2019 , 100, 598-607	8.3	6
34	Integration of olive stones in the production of Fe/AC-catalysts for the CWPO treatment of synthetic and real olive mill wastewater. <i>Chemical Engineering Journal</i> , 2021 , 411, 128451	14.7	6
33	Reduction of NO with new vanadium-carbon xerogel composites. Effect of the oxidation state of vanadium species. <i>Carbon</i> , 2020 , 156, 194-204	10.4	6

32	Influence of the exchanged cation in coke deposition during n-hexane reactions on Pt/MZeolite catalysts. <i>Catalysis Letters</i> , 1997 , 48, 69-73	2.8	5
31	Skeletal isomerization of 1-butene on tungsten oxide catalysts supported on activated carbons with various surface oxygen contents. <i>Carbon</i> , 2003 , 41, 863-866	10.4	5
30	Influence of the Porous Texture of Coals on Their Hydrogenation Processes Catalyzed by Fe. <i>Energy & Fuels</i> , 1995 , 9, 319-323	4.1	5
29	Influence and modification of the porous texture of coals during hydrogenation. <i>Fuel</i> , 1995 , 74, 823-829	7.1	5
28	Influence of Electrostatic Interactions During the Resorcinol-Formaldehyde Polymerization on the Characteristics of Mo-Doped Carbon Gels. <i>Processes</i> , 2020 , 8, 746	2.9	5
27	Cellulose/TiO ₂ composites for the removal of water pollutants 2020 , 329-358		4
26	Composite Materials Based on (Cymene)Ru(II) Curcumin Additives Loaded on Porous Carbon Adsorbents from Agricultural Residues Display Efficient Antibacterial Activity. <i>ACS Applied Bio Materials</i> , 2018 , 1, 153-159	4.1	4
25	Influence of Carbon-Chlorine Surface Complexes on the Properties of Tungsten Oxide Supported on Activated Carbons. 2. Surface Acidity and Skeletal Isomerization of 1-Butene. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 5003-5007	3.4	4
24	Hydrogenation of coals catalysed by Mo effect and transformation of porous texture. <i>Fuel</i> , 1995 , 74, 1709-1715	7.1	4
23	Chemoresistive NH ₃ gas sensor at room temperature based on the carbon gel-TiO ₂ nanocomposites. <i>Sensors and Actuators B: Chemical</i> , 2022 , 368, 132103	8.5	4
22	Mesoporous carbon-xerogels films obtained by microwave assisted carbonization. <i>Materials Letters</i> , 2015 , 141, 135-137	3.3	3
21	About the control of VOC emissions from blended fuels by developing specific adsorbents using agricultural residues. <i>Journal of Environmental Chemical Engineering</i> , 2015 , 3, 2662-2669	6.8	3
20	Influence of Carbon-Chlorine Surface Complexes on the Properties of Tungsten Oxide Supported on Activated Carbons. 1. Dispersion, Distribution, and Chemical Nature of the Metal Oxide Phase. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 4997-5002	3.4	3
19	A new platform for facile synthesis of hybrid TiO ₂ nanostructures by various functionalizations of cellulose to be used in highly-efficient photocatalysis. <i>Materials Letters</i> , 2020 , 274, 128016	3.3	3
18	Metal-Carbon-CNF Composites Obtained by Catalytic Pyrolysis of Urban Plastic Residues as Electro-Catalysts for the Reduction of CO ₂ . <i>Catalysts</i> , 2018 , 8, 198	4	2
17	One-Pot Thermal Synthesis of g-CN/ZnO Composites for the Degradation of 5-Fluoruracil Cytostatic Drug under UV-LED Irradiation.. <i>Nanomaterials</i> , 2022 , 12,	5.4	2
16	Specific adsorbents for the treatment of OMW phenolic compounds by activation of bio-residues from the olive oil industry.. <i>Journal of Environmental Management</i> , 2022 , 306, 114490	7.9	2
15	Syngas production by bi-reforming of methane on a bimetallic Ni-ZnO doped zeolite 13X. <i>Fuel</i> , 2021 , 311, 122592	7.1	2

14	Glucose-Carbon Hybrids as Pt Catalyst Supports for the Continuous Furfural Hydroconversion in Gas Phase. <i>Catalysts</i> , 2021 , 11, 49	4	2
13	Heterogeneous Gold Nanoparticle-Based Catalysts for the Synthesis of Click-Derived Triazoles via the Azide-Alkyne Cycloaddition Reaction. <i>Catalysts</i> , 2022 , 12, 45	4	2
12	Properties of Carbon Aerogels and Their Organic Precursors. <i>Advances in Sol-gel Derived Materials and Technologies</i> , 2019 , 87-121	0.8	1
11	Organic and Carbon Gels: From Laboratory to Industry?. <i>Advances in Sol-gel Derived Materials and Technologies</i> , 2019 , 1-26	0.8	1
10	Fitting the experimental conditions and characteristics of Pt/C catalyst for the selective hydrogenation of citral. <i>Chemical Engineering Communications</i> , 2018 , 205, 1299-1310	2.2	1
9	Textural Changes in Coals during Hydrogenation. <i>Langmuir</i> , 1996 , 12, 5654-5658	4	1
8	Carbon Nanomaterials for Air and Water Remediation 2021 , 331-365		1
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