

Maria Jesus Lazaro

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4678797/maria-jesus-lazaro-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

249
papers

8,158
citations

49
h-index

69
g-index

254
ext. papers

8,873
ext. citations

6.9
avg, IF

6.14
L-index

#	Paper	IF	Citations
249	Thermocatalytic decomposition of methane over activated carbons: influence of textural properties and surface chemistry. <i>International Journal of Hydrogen Energy</i> , 2005 , 30, 293-300	6.7	161
248	Cherry stones as precursor of activated carbons for supercapacitors. <i>Materials Chemistry and Physics</i> , 2009 , 114, 323-327	4.4	157
247	Hydrogen production by thermo catalytic decomposition of methane on Ni-based catalysts: influence of operating conditions on catalyst deactivation and carbon characteristics. <i>International Journal of Hydrogen Energy</i> , 2005 , 30, 1555-1567	6.7	133
246	Pt-Rich/Sn-Rich/Pt Nanocubes As Highly Active and Stable Electrocatalysts for the Ethanol Oxidation Reaction. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3791-3797	16.4	124
245	PtRu electrocatalysts supported on ordered mesoporous carbon for direct methanol fuel cell. <i>Journal of Power Sources</i> , 2010 , 195, 4022-4029	8.9	122
244	Platinum supported on functionalized ordered mesoporous carbon as electrocatalyst for direct methanol fuel cells. <i>Journal of Power Sources</i> , 2007 , 169, 59-64	8.9	122
243	Characterization of NiAl and NiCuAl catalysts prepared by different methods for hydrogen production by thermo catalytic decomposition of methane. <i>Catalysis Today</i> , 2006 , 116, 271-280	5.3	113
242	Analysis of the strategies for bridging the gap towards the Hydrogen Economy. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 19500-19508	6.7	108
241	Enhanced oxygen reduction activity and durability of Pt catalysts supported on carbon nanofibers. <i>Applied Catalysis B: Environmental</i> , 2012 , 115-116, 269-275	21.8	105
240	Investigation of several graphite-based electrodes for vanadium redox flow cell. <i>Journal of Power Sources</i> , 2013 , 227, 15-23	8.9	102
239	The effect of the functionalization of carbon nanofibers on their electronic conductivity. <i>Carbon</i> , 2010 , 48, 4421-4431	10.4	97
238	Hydrogen production by methane decarbonization: Carbonaceous catalysts. <i>International Journal of Hydrogen Energy</i> , 2007 , 32, 3320-3326	6.7	97
237	Hydrogen production by thermocatalytic decomposition of methane over Ni-Al and Ni-Cu-Al catalysts: Effect of calcination temperature. <i>Journal of Power Sources</i> , 2007 , 169, 150-157	8.9	94
236	On the design of Pt-Sn efficient catalyst for carbon monoxide and ethanol oxidation in acid and alkaline media. <i>Applied Catalysis B: Environmental</i> , 2017 , 200, 246-254	21.8	93
235	Influence of carbon nanofiber properties as electrocatalyst support on the electrochemical performance for PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 9934-9942	6.7	92
234	Production of hydrogen and carbon nanofibers by thermal decomposition of methane using metal catalysts in a fluidized bed reactor. <i>International Journal of Hydrogen Energy</i> , 2007 , 32, 4821-4829	6.7	90
233	High temperature iron-based catalysts for hydrogen and nanostructured carbon production by methane decomposition. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 7832-7843	6.7	89

232	Structural characterization of biomass pyrolysis tars/oils from eucalyptus wood waste: effect of H ₂ pressure and sample configuration. <i>Fuel</i> , 1997 , 76, 1013-1023	7.1	83
231	Functionalization of ordered mesoporous carbons synthesized with SBA-15 silica as template. <i>Microporous and Mesoporous Materials</i> , 2007 , 103, 158-165	5.3	81
230	Molecular mass distributions and structural characterisation of coal derived liquids. <i>Fuel</i> , 2000 , 79, 323-337	7.8	78
229	Decomposition of methane over Ni-SiO ₂ and Ni-Cu-SiO ₂ catalysts: Effect of catalyst preparation method. <i>Applied Catalysis A: General</i> , 2007 , 329, 22-29	5.1	74
228	Carbonaceous materials as catalysts for decomposition of methane. <i>Chemical Engineering Journal</i> , 2008 , 140, 432-438	14.7	73
227	Electrochemical oxidation of CO and methanol on PtRu catalysts supported on carbon nanofibers: the influence of synthesis method. <i>Applied Catalysis B: Environmental</i> , 2015 , 165, 676-686	21.8	70
226	Influence of the surface potassium species in FeK/Al ₂ O ₃ catalysts on the soot oxidation activity in the presence of NO _x . <i>Applied Catalysis B: Environmental</i> , 2014 , 152-153, 88-98	21.8	69
225	Pd catalysts supported onto nanostructured carbon materials for CO ₂ valorization by electrochemical reduction. <i>Applied Catalysis B: Environmental</i> , 2015 , 163, 83-95	21.8	68
224	Kinetic study of the thermal decomposition of methane using carbonaceous catalysts. <i>Chemical Engineering Journal</i> , 2008 , 138, 301-306	14.7	68
223	Thermo catalytic decomposition of methane over NiMg and NiCuMg catalysts. <i>Applied Catalysis A: General</i> , 2007 , 333, 229-237	5.1	66
222	Hydrogen storage by decalin dehydrogenation/naphthalene hydrogenation pair over platinum catalysts supported on activated carbon. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 1329-1334	6.7	62
221	Carbon nanofiber-based counter electrodes for low cost dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2014 , 250, 242-249	8.9	61
220	Synthesis and performance of platinum supported on ordered mesoporous carbons as catalyst for PEM fuel cells: Effect of the surface chemistry of the support. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 9805-9814	6.7	61
219	Effect of the support properties on the preparation and performance of platinum catalysts supported on carbon nanofibers. <i>Journal of Power Sources</i> , 2009 , 192, 144-150	8.9	61
218	Hydrogen production by thermo-catalytic decomposition of methane: Regeneration of active carbons using CO ₂ . <i>Journal of Power Sources</i> , 2007 , 169, 103-109	8.9	61
217	Palladium-Based Catalysts as Electrodes for Direct Methanol Fuel Cells: A Last Ten Years Review. <i>Catalysts</i> , 2016 , 6, 130	4	61
216	Parametric study of the decomposition of methane using a NiCu/Al ₂ O ₃ catalyst in a fluidized bed reactor. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 9801-9809	6.7	60
215	Calibration of Size Exclusion Chromatography in 1-Methyl-2-pyrrolidinone for Coal-Derived Materials Using Standards and Mass Spectrometry. <i>Energy & Fuels</i> , 1999 , 13, 1212-1222	4.1	60

214	Study of the deactivation mechanism of carbon blacks used in methane decomposition. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 4104-4111	6.7	59
213	Carbon monoxide and ethanol oxidation on PtSn supported catalysts: Effect of the nature of the carbon support and Pt:Sn composition. <i>Applied Catalysis B: Environmental</i> , 2015 , 168-169, 33-41	21.8	58
212	Ni- and Fe-based catalysts for hydrogen and carbon nanofilament production by catalytic decomposition of methane in a rotary bed reactor. <i>Fuel Processing Technology</i> , 2011 , 92, 1480-1488	7.2	58
211	Pt and PtRu electrocatalysts supported on carbon xerogels for direct methanol fuel cells. <i>Journal of Power Sources</i> , 2011 , 196, 4226-4235	8.9	55
210	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
209	Hydrogen and multiwall carbon nanotubes production by catalytic decomposition of methane: Thermogravimetric analysis and scaling-up of FeMo catalysts. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 3698-3709	6.7	54
208	Molecular mass determinations in coal-derived liquids by MALDI mass spectrometry and size-exclusion chromatography. <i>Fuel</i> , 1997 , 76, 1225-1233	7.1	54
207	A Comparative Study of Bitumen Molecular-Weight Distributions. <i>Energy & Fuels</i> , 1999 , 13, 552-557	4.1	53
206	Effects of reaction conditions on hydrogen production and carbon nanofiber properties generated by methane decomposition in a fixed bed reactor using a NiCuAl catalyst. <i>Journal of Power Sources</i> , 2009 , 192, 35-42	8.9	52
205	Carbon monoxide and methanol oxidation at platinum catalysts supported on ordered mesoporous carbon: the influence of functionalization of the support. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 6796-806	3.6	52
204	TiO ₂ as textural promoter on high loaded Ni catalysts for methane decomposition. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 3320-3329	6.7	51
203	Synergetic effects in the co-pyrolysis of coal and petroleum residues: influences of coal mineral matter and petroleum residue mass ratio. <i>Journal of Analytical and Applied Pyrolysis</i> , 2000 , 55, 29-41	6	51
202	Effect of LiBr Addition to 1-Methyl-2-pyrrolidinone in the Size-Exclusion Chromatography of Coal-Derived Materials. <i>Energy & Fuels</i> , 1998 , 12, 174-182	4.1	51
201	CO tolerant PtRuMoOx nanoparticles supported on carbon nanofibers for direct methanol fuel cells. <i>Journal of Power Sources</i> , 2009 , 186, 299-304	8.9	50
200	Electrochemical behavior of the carbon black Vulcan XC-72R: Influence of the surface chemistry. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 7911-7922	6.7	49
199	Influence of the support on the physicochemical properties of Pt electrocatalysts: Comparison of catalysts supported on different carbon materials. <i>Materials Chemistry and Physics</i> , 2011 , 127, 335-341	4.4	49
198	Behaviour of different industrial waste oils in a pyrolysis process: metals distribution and valuable products. <i>Journal of Analytical and Applied Pyrolysis</i> , 2000 , 55, 171-183	6	49
197	Activity of NiCuAl catalyst in methane decomposition studied using a thermobalance and the structural changes in the Ni and the deposited carbon. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 2515-2524	6.7	48

196	Carbon-based catalytic briquettes for the reduction of NO: Effect of H ₂ SO ₄ and HNO ₃ carbon support treatment. <i>Fuel</i> , 2008 , 87, 2058-2068	7.1	48
195	Influence of nickel crystal domain size on the behaviour of Ni and NiCu catalysts for the methane decomposition reaction. <i>Applied Catalysis A: General</i> , 2009 , 363, 199-207	5.1	47
194	Non-isothermal versus isothermal technique to evaluate kinetic parameters of coal pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 1998 , 47, 111-125	6	46
193	The effect of carbon nanofiber properties as support for PtRu nanoparticles on the electrooxidation of alcohols. <i>Applied Catalysis B: Environmental</i> , 2013 , 132-133, 13-21	21.8	45
192	Iron-Nitrogen-functionalized carbon as efficient oxygen reduction reaction electrocatalyst in microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 19637-19644	6.7	45
191	Towards an optimal synthesis route for the preparation of highly mesoporous carbon xerogel-supported Pt catalysts for the oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 947-957	21.8	44
190	In situ hydrogen generation from cycloalkanes using a Pt/CNF catalyst. <i>Catalysis Today</i> , 2008 , 138, 203-209	7.1	44
189	Electrochemical performance of low temperature PEMFC with surface tailored carbon nanofibers as catalyst support. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 393-404	6.7	43
188	Choice of Extraction Voltage and Matrix in the Matrix-assisted Laser Desorption/Ionization Time-of-flight Mass Spectrometry of Coal Tar Pitch (Pyridine Insolubles). <i>Rapid Communications in Mass Spectrometry</i> , 1997 , 11, 638-645	2.2	43
187	NH ₃ -SCR of NO at low temperatures over sulphated vanadia on carbon-coated monoliths: Effect of H ₂ O and SO ₂ traces in the gas feed. <i>Applied Catalysis B: Environmental</i> , 2006 , 66, 281-287	21.8	43
186	Vanadium supported on carbon-coated monoliths for the SCR of NO at low temperature: effect of pore structure. <i>Applied Catalysis B: Environmental</i> , 2004 , 50, 235-242	21.8	43
185	N-doped graphene catalysts with high nitrogen concentration for the oxygen reduction reaction. <i>Journal of Power Sources</i> , 2019 , 438, 227036	8.9	42
184	PtRu catalysts supported on carbon xerogels for PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 7200-7211	6.7	42
183	Role of sulphates on the mechanism of NH ₃ -SCR of NO at low temperatures over presulphated vanadium supported on carbon-coated monoliths. <i>Journal of Catalysis</i> , 2005 , 233, 166-175	7.3	42
182	Characterisation of tars from the co-pyrolysis of waste lubricating oils with coal. <i>Fuel</i> , 2001 , 80, 179-194	7.1	42
181	Size Exclusion Chromatography of Soots and Coal-Derived Materials with 1-Methyl-2-pyrrolidinone as Eluent: Observations on High Molecular Mass Material. <i>Energy & Fuels</i> , 2000 , 14, 1009-1020	4.1	42
180	Electrocatalysts for low temperature fuel cells. <i>Catalysis Today</i> , 2017 , 285, 3-12	5.3	41
179	Optimizing the synthesis of carbon nanofiber based electrocatalysts for fuel cells. <i>Applied Catalysis B: Environmental</i> , 2013 , 132-133, 22-27	21.8	41

178	Structure of vanadium oxide supported on mesoporous carbon-coated monoliths and relationship with its catalytic performance in the SCR of NO at low temperatures. <i>Journal of Catalysis</i> , 2004 , 223, 395-403	7.3	41
177	Strain Effects on the Oxidation of CO and HCOOH on AuPd CoreShell Nanoparticles. <i>ACS Catalysis</i> , 2017 , 7, 1673-1680	13.1	39
176	Electrochemical performance of Pd and AuPd coreShell nanoparticles on surface tailored carbon black as catalyst support. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 7152-7160	6.7	39
175	Oxygen-Functionalized Highly Mesoporous Carbon Xerogel Based Catalysts for Direct Methanol Fuel Cell Anodes. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 13045-13058	3.8	39
174	A study of the mechanisms of NO reduction over vanadium loaded activated carbon catalysts. <i>Chemical Engineering Journal</i> , 2008 , 144, 10-20	14.7	39
173	Comparative study of Pt catalysts supported on different high conductive carbon materials for methanol and ethanol oxidation. <i>Electrochimica Acta</i> , 2013 , 102, 19-27	6.7	38
172	Hydrogen production by catalytic decomposition of methane using a Fe-based catalyst in a fluidized bed reactor. <i>Journal of Natural Gas Chemistry</i> , 2012 , 21, 367-373		38
171	Synthesis and applications of carbon nanofibers: a review. <i>Reviews in Chemical Engineering</i> , 2020 , 36, 493-511	5	37
170	Bifunctional N-doped graphene Ti and Co nanocomposites for the oxygen reduction and evolution reactions. <i>Renewable Energy</i> , 2018 , 125, 182-192	8.1	36
169	Influence of support oxygen functionalization on the activity of Pt/carbon xerogels catalysts for methanol electro-oxidation. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 7180-7191	6.7	36
168	Pt supported on carbon nanofibers as electrocatalyst for low temperature polymer electrolyte membrane fuel cells. <i>Electrochemistry Communications</i> , 2009 , 11, 1081-1084	5.1	36
167	The graphitization of carbon nanofibers produced by the catalytic decomposition of natural gas. <i>Carbon</i> , 2009 , 47, 2563-2570	10.4	35
166	Structural characterization of tar from a coal gasification plant: Comparison with a coke oven tar and a crude oil flash-column residue. <i>Fuel</i> , 1997 , 76, 101-113	7.1	35
165	NiMg and NiCuMg catalysts for simultaneous production of hydrogen and carbon nanofibersThe effect of calcination temperature. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 1719-1728	6.7	35
164	Sulfurized carbon xerogels as Pt support with enhanced activity for fuel cell applications. <i>Applied Catalysis B: Environmental</i> , 2016 , 192, 260-267	21.8	35
163	Influence of the nature of the carbon support on the activity of Pt/C catalysts for ethanol and carbon monoxide oxidation. <i>Journal of Catalysis</i> , 2017 , 348, 22-28	7.3	34
162	Carbon supports for the catalytic dehydrogenation of liquid organic hydrides as hydrogen storage and delivery system. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 4109-4115	6.7	34
161	Preparation of steam-activated carbons as catalyst supports. <i>Journal of Analytical and Applied Pyrolysis</i> , 2007 , 78, 301-315	6	34

160	Vanadium supported on carbon coated honeycomb monoliths for the selective catalytic reduction of NO at low temperatures: Influence of the oxidation pre-treatment. <i>Carbon</i> , 2006 , 44, 407-417	10.4	34
159	Synergetic effects in the co-pyrolysis of samca coal and a model aliphatic compound studied by analytical pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2002 , 65, 197-206	6	34
158	Low cost catalytic sorbents for NOx reduction. 1. Preparation and characterization of coal char impregnated with model vanadium components and petroleum coke ash. <i>Fuel</i> , 2002 , 81, 1281-1296	7.1	34
157	Carbon nanofibers as electrocatalyst support for fuel cells: Effect of hydrogen on their properties in CH4 decomposition. <i>Journal of Power Sources</i> , 2009 , 192, 51-56	8.9	33
156	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry of kerogen extracts: effect of interactions between sample structure and matrix. <i>Rapid Communications in Mass Spectrometry</i> , 1997 , 11, 1627-1634	2.2	33
155	Control of textural properties of ordered mesoporous materials. <i>Microporous and Mesoporous Materials</i> , 2008 , 116, 292-298	5.3	33
154	Co-pyrolysis of a mineral waste oil/coal slurry in a continuous-mode fluidized bed reactor. <i>Journal of Analytical and Applied Pyrolysis</i> , 2002 , 65, 239-252	6	33
153	Novel activated carbon-based catalyst for the selective catalytic reduction of nitrogen oxide. <i>Catalysis Today</i> , 2005 , 102-103, 142-147	5.3	33
152	Effect of Carbon Supports on Electrocatalytic Reactivity of AuPd CoreShell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 6275-6282	3.8	32
151	Effect of polydispersity on the characterization of coal-derived liquids by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry: inferences from results for mixtures of polystyrene molecular mass standards. <i>Rapid Communications in Mass Spectrometry</i> , 1997 , 11, 1845-1852	2.2	32
150	Matching average masses of pitch fractions of narrow polydispersity, derived from matrix-assisted laser desorption ionisation time-of-flight mass spectrometry, with the polystyrene calibration of SEC. <i>Journal of Separation Science</i> , 2003 , 26, 1422-1428	3.4	32
149	Catalytic filters for the simultaneous removal of soot and NOx: Influence of the alumina precursor on monolith washcoating and catalytic activity. <i>Catalysis Today</i> , 2012 , 191, 96-105	5.3	31
148	Planar chromatographic separation of petroleum residues and coal-derived liquids. <i>Journal of Chromatography A</i> , 1999 , 830, 397-414	4.5	31
147	Determining a 'safe' high-mass limit in matrix-assisted laser desorption/ionisation time-of-flight mass spectra of coal derived materials with reference to instrument noise. <i>Rapid Communications in Mass Spectrometry</i> , 1999 , 13, 1401-12	2.2	31
146	Towards new generation fuel cell electrocatalysts based on xerogelnanofiber carbon composites. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13713	13	30
145	Electrocatalytic Properties of Strained Pd Nanoshells at Au Nanostructures: CO and HCOOH Oxidation. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 692-699	3.8	30
144	Vanadium loaded carbon-based catalysts for the reduction of nitric oxide. <i>Applied Catalysis B: Environmental</i> , 2006 , 68, 130-138	21.8	30
143	PalladiumBickel catalysts supported on different chemically-treated carbon blacks for methanol oxidation in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 19556-19569	6.7	30

142	Carbon-based catalysts: Synthesis and applications. <i>Comptes Rendus Chimie</i> , 2015 , 18, 1229-1241	2.7	29
141	Highly dispersed encapsulated AuPd nanoparticles on ordered mesoporous carbons for the direct synthesis of H ₂ O ₂ from molecular oxygen and hydrogen. <i>Chemical Communications</i> , 2012 , 48, 5316-8	5.8	29
140	Technical electrodes catalyzed with PtRu on mesoporous ordered carbons for liquid direct methanol fuel cells. <i>Journal of Solid State Electrochemistry</i> , 2010 , 14, 1027-1034	2.6	29
139	Oxidized carbon nanofibers supporting PtRu nanoparticles for direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 5414-5423	6.7	28
138	Synthesis and application of gold-carbon hybrids as catalysts for the hydroamination of alkynes. <i>Applied Catalysis A: General</i> , 2013 , 456, 88-95	5.1	28
137	The influence of carbon nanofiber support properties on the oxygen reduction behavior in proton conducting electrolyte-based direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 6253-6260	6.7	28
136	A novel rotary reactor configuration for simultaneous production of hydrogen and carbon nanofibers. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 8016-8022	6.7	28
135	Influence on hydrogen production of the minor components of natural gas during its decomposition using carbonaceous catalysts. <i>Journal of Power Sources</i> , 2009 , 192, 100-106	8.9	28
134	Catalytic decomposition of methane and methane/CO ₂ mixtures to produce synthesis gas and nanostructured carbonaceous material. <i>Fuel</i> , 2011 , 90, 2245-2253	7.1	28
133	Synergetic Effects in the Copyrolysis of Coal/Petroleum Residue Mixtures by Pyrolysis/Gas Chromatography: Influence of Temperature, Pressure, and Coal Nature. <i>Energy & Fuels</i> , 1998 , 12, 963-968	4.1	28
132	Comparison of the fractionation of a coal tar pitch by solvent solubility and by planar chromatography. <i>Fuel</i> , 1999 , 78, 795-801	7.1	28
131	Tailoring Synthesis Conditions of Carbon Xerogels towards Their Utilization as Pt-Catalyst Supports for Oxygen Reduction Reaction (ORR). <i>Catalysts</i> , 2012 , 2, 466-489	4	27
130	Valorization of Lube Oil Waste by Pyrolysis. <i>Energy & Fuels</i> , 1997 , 11, 1165-1170	4.1	27
129	The release of nitrogen during the combustion of coal chars: the role of volatile matter and surface area. <i>Fuel</i> , 1996 , 75, 1014-1024	7.1	27
128	Carbon monoxide and methanol oxidations on carbon nanofibers supported PtRu electrodes at different temperatures. <i>Electrochimica Acta</i> , 2015 , 186, 359-368	6.7	26
127	Gas diffusion electrodes for methanol electrooxidation studied by a new DEMS configuration: Influence of the diffusion layer. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 7141-7151	6.7	26
126	Electrochemical reactors for CO ₂ reduction: From acid media to gas phase. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 19756-19765	6.7	25
125	Metallic and carbonaceous Based catalysts performance in the solar catalytic decomposition of methane for hydrogen and carbon production. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 9645-9655	6.7	25

124	Study of the surface chemistry of modified carbon nanofibers by oxidation treatments in liquid phase. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 4164-9	1.3	25
123	Valuable Products from Mineral Waste Oils Containing Heavy Metals. <i>Environmental Science & Technology</i> , 2000 , 34, 3205-3210	10.3	25
122	Large Molecular Mass Materials in Coal-Derived Liquids by 252Cf-Plasma and Matrix-Assisted Laser Desorption Mass Spectrometry. <i>Energy & Fuels</i> , 1998 , 12, 485-492	4.1	25
121	Methanol-Tolerant MnO ₂ Catalysts for Oxygen Reduction Reactions in Acidic Media and Their Application in Direct Methanol Fuel Cells. <i>Catalysts</i> , 2018 , 8, 650	4	25
120	Graphitized carbon nanofibers for use as anodes in lithium-ion batteries: Importance of textural and structural properties. <i>Journal of Power Sources</i> , 2012 , 198, 303-307	8.9	24
119	Catalytic decomposition of biogas to produce H ₂ -rich fuel gas and carbon nanofibers. Parametric study and characterization. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 7067-7076	6.7	24
118	Catalytic activity of fullerenes for hydrocracking coal extracts. <i>Fuel</i> , 1997 , 76, 207-214	7.1	24
117	Changes in sample reactivity and catalyst deactivation during early stages of the hydrocracking of a coal extract. <i>Fuel</i> , 1998 , 77, 1261-1272	7.1	24
116	Vanadium-loaded carbon-based monoliths for the on-board NO reduction: Experimental study of operating conditions. <i>Chemical Engineering Journal</i> , 2008 , 144, 343-351	14.7	24
115	Fractionation of a wood tar pitch by planar chromatography for the characterisation of large molecular mass materials. <i>Journal of Chromatography A</i> , 1999 , 840, 107-115	4.5	24
114	Effect of oxygen and structural properties on the electrical conductivity of powders of nanostructured carbon materials. <i>Powder Technology</i> , 2018 , 340, 380-388	5.2	24
113	Performance and stability of counter electrodes based on reduced few-layer graphene oxide sheets and reduced graphene oxide quantum dots for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2019 , 306, 396-406	6.7	23
112	On the importance of the structure in the electrical conductivity of fishbone carbon nanofibers. <i>Journal of Materials Science</i> , 2013 , 48, 1423-1435	4.3	23
111	Influence of the Synthesis Method for Pt Catalysts Supported on Highly Mesoporous Carbon Xerogel and Vulcan Carbon Black on the Electro-Oxidation of Methanol. <i>Catalysts</i> , 2015 , 5, 392-405	4	23
110	Study of the Synthesis Conditions of Carbon Nanocoils for Energetic Applications. <i>Energy & Fuels</i> , 2010 , 24, 3361-3365	4.1	23
109	Influence of the synthesis method on the properties of Pt catalysts supported on carbon nanocoils for ethanol oxidation. <i>Journal of Power Sources</i> , 2011 , 196, 4236-4241	8.9	23
108	Fuel cell performance of Pt electrocatalysts supported on carbon nanocoils. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 5371-5377	6.7	22
107	Trace elements in coal derived liquids: analysis by ICP-MS and Mössbauer spectroscopy. <i>Fuel</i> , 2000 , 79, 57-67	7.1	22

106	Me (Cu, Co, V)-K/Al ₂ O ₃ supported catalysts for the simultaneous removal of soot and nitrogen oxides from diesel exhausts. <i>Chemical Engineering Science</i> , 2013 , 87, 75-90	4.4	20
105	Insulating diamond particles as substrate for Pd electrocatalysts. <i>Chemical Communications</i> , 2011 , 47, 7656-8	5.8	20
104	The graphitization of carbon nanofibers produced by catalytic decomposition of methane: Synergetic effect of the inherent Ni and Si. <i>Fuel</i> , 2010 , 89, 2160-2162	7.1	20
103	Structural Features of Large Molecular Mass Material in Coal-Derived Liquids: Catalytic Hydrocracking of the Pyridine-Insoluble Fraction of a Coal-Tar Pitch. <i>European Journal of Mass Spectrometry</i> , 2000 , 6, 39-48	1.1	20
102	Identification of organically associated trace elements in wood and coal by inductively coupled plasma mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2000 , 14, 317-28	2.2	20
101	Spectroelectrochemical Study of Carbon Monoxide and Ethanol Oxidation on Pt/C, PtSn(3:1)/C and PtSn(1:1)/C Catalysts. <i>Molecules</i> , 2016 , 21,	4.8	20
100	The role of Sn, Ru and Ir on the ethanol electrooxidation on Pt ₃ M/TiCN electrocatalysts. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 14519-14528	6.7	19
99	Methanol Oxidation at Diamond-Supported Pt Nanoparticles: Effect of the Diamond Surface Termination. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 21735-21742	3.8	19
98	N-Doped Carbon Xerogels as Pt Support for the Electro-Reduction of Oxygen. <i>Materials</i> , 2017 , 10,	3.5	19
97	Characterization and kinetic study of carbon-based briquettes for the reduction of NO. <i>Carbon</i> , 2006 , 44, 2399-2403	10.4	19
96	Comparison of the Quaternary Aromatic Carbon Contents of a Coal, a Coal Extract, and Its Hydrocracking Products by NMR Methods. <i>Energy & Fuels</i> , 2003 , 17, 1616-1629	4.1	19
95	Ethanol Oxidation on Sn-modified Pt Single-Crystal Electrodes: New Mechanistic Insights from On-line Electrochemical Mass Spectrometry. <i>ChemElectroChem</i> , 2016 , 3, 2196-2201	4.3	19
94	Influence of the Alkali Promoter on the Activity and Stability of Transition Metal (Cu, Co, Fe) Based Structured Catalysts for the Simultaneous Removal of Soot and NO _x . <i>Topics in Catalysis</i> , 2013 , 56, 493-498	2.3	18
93	Platinum Ruthenium Catalysts Supported on Carbon Xerogel for Methanol Electro-Oxidation: Influence of the Catalyst Synthesis Method. <i>ChemCatChem</i> , 2013 , 5, 3770-3780	5.2	18
92	Influence of the inherent metal species on the graphitization of methane-based carbon nanofibers. <i>Carbon</i> , 2012 , 50, 5387-5394	10.4	18
91	Carbon supported PdM (M = Fe, Co) electrocatalysts for formic acid oxidation. Influence of the Fe and Co precursors. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 1640-1649	6.7	18
90	Palladium-Bickel materials as cathode electrocatalysts for alkaline fuel cells. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 22538-22546	6.7	17
89	Carbon Nanofibers as Advanced Pd Catalyst Supports for the Air Electrode of Alkaline Metal-Air Batteries. <i>ChemPlusChem</i> , 2015 , 80, 1384-1388	2.8	17

88	Catalytic decomposition of methane for the simultaneous co-production of CO ₂ -free hydrogen and carbon nanofibre based polymers. <i>Fuel</i> , 2011 , 90, 430-432	7.1	17
87	Metal-ion pillared clays as hydrocracking catalysts (I): Catalyst preparation and assessment of performance at short contact times. <i>Fuel</i> , 2002 , 81, 449-459	7.1	17
86	Metal-ion pillared clays as hydrocracking catalysts (II): effect of contact time on products from coal extracts and petroleum distillation residues?. <i>Fuel</i> , 2003 , 82, 2309-2321	7.1	17
85	CoTiO ₃ /NrGO nanocomposites for oxygen evolution and oxygen reduction reactions: Synthesis and electrocatalytic performance. <i>Electrochimica Acta</i> , 2020 , 331, 135396	6.7	17
84	Electrochemical oxidation of ordered mesoporous carbons and the influence of graphitization. <i>Electrochimica Acta</i> , 2019 , 303, 167-175	6.7	17
83	Noble metal-free catalysts supported on carbon for CO ₂ electrochemical reduction. <i>Journal of CO₂ Utilization</i> , 2017 , 18, 41-52	7.6	16
82	Carbon-Supported Fe Catalysts for CO ₂ Electroreduction to High-Added Value Products: A DEMS Study: Effect of the Functionalization of the Support. <i>International Journal of Electrochemistry</i> , 2011 , 2011, 1-13	2.4	16
81	Low cost catalytic sorbents for NO _x reduction. 3. NO reduction tests using NH ₃ as reducing agent. <i>Fuel</i> , 2004 , 83, 875-884	7.1	16
80	Study of Configuration and Coating Thickness of Vanadium on Carbon-Coated Monoliths in the SCR of NO at Low Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 4073-4079	3.9	16
79	Combined pyrolysis-combustion cycle: effects of operating conditions on sulfur and calorific value distribution in coal pyrolysis. <i>Fuel</i> , 1994 , 73, 1214-1220	7.1	16
78	Carbon Nanocoils as Unusual Electrode Materials for Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2012 , 159, A464-A469	3.9	15
77	H ₂ /H ₄ Mixtures Produced by Carbon-Catalyzed Methane Decomposition as a Fuel for Internal Combustion Engines. <i>Energy & Fuels</i> , 2010 , 24, 3340-3345	4.1	15
76	Characterization of nanofibrous carbon produced at pilot-scale in a fluidized bed reactor by methane decomposition. <i>Chemical Engineering Journal</i> , 2010 , 156, 170-176	14.7	15
75	Novel carbon based catalysts for the reduction of NO: Influence of support precursors and active phase loading. <i>Catalysis Today</i> , 2008 , 137, 215-221	5.3	15
74	Vanadium-loaded carbon-based monoliths for on-board NO reduction: Influence of nature and concentration of the oxidation agent on activity. <i>Catalysis Today</i> , 2008 , 137, 222-227	5.3	15
73	Low cost catalytic sorbents for NO _x reduction. 2. Tests with no reduction reactives?. <i>Fuel</i> , 2003 , 82, 771-782		15
72	Promotion by a second metal or SO ₂ over vanadium supported on mesoporous carbon-coated monoliths for the SCR of NO at low temperature. <i>Catalysis Today</i> , 2005 , 102-103, 177-182	5.3	15
71	Recent progress on bimetallic NiCo and CoFe based electrocatalysts for alkaline oxygen evolution reaction: A review. <i>Journal of Energy Chemistry</i> , 2021 , 67, 101-101	12	15

70	Carbon xerogels electrochemical oxidation and correlation with their physico-chemical properties. <i>Carbon</i> , 2019 , 144, 382-394	10.4	15
69	Modification of the properties of carbon nanocoils by different treatments in liquid phase. <i>Microporous and Mesoporous Materials</i> , 2011 , 142, 55-61	5.3	14
68	Carbon nanofiber growth optimization for their use as electrocatalyst support in proton exchange membrane (PEM) fuel cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 4353-9	1.3	14
67	Low-cost carbon-based briquettes for the reduction of no emissions from medium-small stationary sources. <i>Catalysis Today</i> , 2007 , 119, 175-180	5.3	14
66	Characterization of Chars Obtained from Co-pyrolysis of Coal and Petroleum Residues. <i>Energy & Fuels</i> , 2002 , 16, 878-886	4.1	14
65	Co-Pyrolysis of Coals and Lube Oil Wastes in a Bench-Scale Unit. <i>Energy & Fuels</i> , 1999 , 13, 907-913	4.1	14
64	Nanostructured Carbon Materials as Supports in the Preparation of Direct Methanol Fuel Cell Electrocatalysts. <i>Catalysts</i> , 2013 , 3, 671-682	4	13
63	Graphene oxide nanofibers: A nanocarbon material with tuneable electrochemical properties. <i>Applied Surface Science</i> , 2020 , 509, 144774	6.7	13
62	Stability and catalytic properties of nanostructured carbons in electrochemical environments. <i>Journal of Catalysis</i> , 2017 , 355, 156-166	7.3	12
61	DEMS strategy for the determination of the difference in surface acidity of carbon materials. <i>Electrochemistry Communications</i> , 2018 , 90, 87-90	5.1	12
60	Nitrogen Doped Ordered Mesoporous Carbon as Support of PtRu Nanoparticles for Methanol Electro-Oxidation. <i>Energies</i> , 2018 , 11, 831	3.1	12
59	Low-cost sorbents for demetalisation of waste oils via pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2001 , 57, 119-131	6	12
58	Oxidation of CO and Methanol on Pd-Ni Catalysts Supported on Different Chemically-Treated Carbon Nanofibers. <i>Nanomaterials</i> , 2016 , 6,	5.4	12
57	Methanol tolerant Pt 2 CrCo catalysts supported on ordered mesoporous carbon for the cathode of DMFC. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 19645-19655	6.7	12
56	Influence of thermal treatments on the stability of Pd nanoparticles supported on graphitised ordered mesoporous carbons. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 19570-19578	6.7	12
55	Crystal Growth, Structural Phase Transitions, and Optical Gap Evolution of CH ₃ NH ₃ Pb(Br _{1-x} Cl _x) ₃ Perovskites. <i>Crystal Growth and Design</i> , 2019 , 19, 918-924	3.5	12
54	Tailoring carbon xerogels' properties to enhance catalytic activity of Pt catalysts towards methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 14736-14745	6.7	11
53	Influence of gas hourly space velocity on the activity of monolithic catalysts for the simultaneous removal of soot and NO _x . <i>Comptes Rendus Chimie</i> , 2015 , 18, 1007-1012	2.7	11

52	CH ₄ and CO ₂ partial pressures influence and deactivation study on the Catalytic Decomposition of Biogas over a Ni catalyst. <i>Fuel</i> , 2013 , 111, 778-783	7.1	11
51	Effect of molybdophosphoric acid in iron and cobalt graphene/chitosan composites for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 28093-28101	6.7	11
50	Effect of the Dendrimer Generation Used in the Synthesis of Pt-Ru Nanoparticles Supported on Carbon Nanofibers on the Catalytic Activity towards Methanol Oxidation. <i>Energies</i> , 2017 , 10, 159	3.1	11
49	Soot oxidation in the presence of NO over alumina-supported bimetallic catalysts KMe (Me=Cu, Co, V). <i>Catalysis Today</i> , 2011 , 176, 361-364	5.3	11
48	Vanadium loaded carbon-based monoliths for the on-board no reduction: Influence of temperature and period of the oxidation treatment. <i>Chemical Engineering Journal</i> , 2010 , 160, 623-633	14.7	11
47	Solvent degradation during coal liquefaction in a flowing-solvent reactor. <i>Fuel</i> , 2004 , 83, 157-179	7.1	11
46	Catalytic hydrocracking of primary maceral concentrate extracts prepared in a flowing solvent reactor. <i>Fuel</i> , 2002 , 81, 185-202	7.1	11
45	Vanadium loaded carbon-based monoliths for the on-board No reduction: Influence of vanadia and tungsten loadings. <i>Chemical Engineering Journal</i> , 2009 , 155, 68-75	14.7	10
44	Tantalum-based electrocatalysts prepared by a microemulsion method for the oxygen reduction and evolution reactions. <i>Electrochimica Acta</i> , 2019 , 317, 261-271	6.7	9
43	Carbon nanocoils as catalysts support for methanol electrooxidation: A Differential Electrochemical Mass Spectrometry (DEMS) study. <i>Journal of Power Sources</i> , 2013 , 239, 72-80	8.9	9
42	Low-cost carbon-based briquettes for the reduction of NO emissions: Optimal preparation procedure and influence in operating conditions. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010 , 88, 80-90	6	9
41	Carbon based catalytic briquettes for the reduction of NO: Catalyst scale-up. <i>Catalysis Today</i> , 2008 , 137, 209-214	5.3	9
40	Morphological characterization of vanadium oxide supported on carbon-coated monoliths using AFM. <i>Applied Surface Science</i> , 2004 , 228, 135-142	6.7	9
39	Fractionation of Coal Extracts Prior to Hydrocracking: An Attempt to Link Sample Structure to Conversion Levels and Catalyst Fouling. <i>Energy & Fuels</i> , 2001 , 15, 1153-1165	4.1	9
38	Insights on the Electrochemical Oxidation of Ordered Mesoporous Carbons. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 024511	3.9	8
37	PtRu Nanoparticles Deposited by the Sulfite Complex Method on Highly Porous Carbon Xerogels: Effect of the Thermal Treatment. <i>Catalysts</i> , 2013 , 3, 744-756	4	8
36	Formation of hydrogen and filamentous carbon over a Ni ₂ TuAl ₂ O ₃ catalyst through ethane decomposition. <i>Applied Catalysis A: General</i> , 2011 , 394, 220-227	5.1	8
35	Electrochemical Behavior of PtRu Catalysts Supported on Graphitized Ordered Mesoporous Carbons toward CO and Methanol Oxidation. <i>Surfaces</i> , 2019 , 2, 1-15	2.9	7

34	Ni-Based Composites from Chitosan Biopolymer a One-Step Synthesis for Oxygen Evolution Reaction. <i>Catalysts</i> , 2019 , 9, 471	4	7
33	Catalytic filters for the simultaneous removal of soot and NOx: Effect of CO2 and steam on the exhaust gas of diesel engines. <i>Catalysis Today</i> , 2011 , 176, 134-138	5.3	7
32	Modification of the surface chemistry of mesoporous carbons obtained through colloidal silica templates. <i>Materials Chemistry and Physics</i> , 2009 , 118, 249-253	4.4	7
31	Oxidised Carbon Nanofibers as Platinum Support for Proton Exchange Membrane (PEM) Fuel Cells. <i>Sensor Letters</i> , 2008 , 6, 1059-1067	0.9	7
30	Iron-Based Electrocatalysts Supported on Nanostructured Carbon to Enhance Oxygen Reduction in Microbial Fuel Cells. <i>ECS Transactions</i> , 2016 , 72, 9-15	1	7
29	Bi-functional carbon-based catalysts for unitized regenerative fuel cells. <i>Journal of Catalysis</i> , 2020 , 387, 138-144	7.3	7
28	Biomass waste-derived nitrogen and iron co-doped nanoporous carbons as electrocatalysts for the oxygen reduction reaction. <i>Electrochimica Acta</i> , 2021 , 387, 138490	6.7	7
27	Capacitance Enhancement of Hydrothermally Reduced Graphene Oxide Nanofibers. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
26	Observation of high-mass liquids in the condensate from the pyrolysis of coals in a methane flame. <i>Fuel</i> , 1999 , 78, 861-863	7.1	6
25	Carbon-Based Composites as Electrocatalysts for Oxygen Evolution Reaction in Alkaline Media. <i>Materials</i> , 2021 , 14,	3.5	6
24	On the influence of the alumina precursor in Fe-K/Al2O3 structured catalysts for the simultaneous removal of soot and NOx: From surface properties to reaction mechanism. <i>Comptes Rendus Chimie</i> , 2014 , 17, 681-686	2.7	5
23	Preparation of polymer composites using nanostructured carbon produced at large scale by catalytic decomposition of methane. <i>Materials Chemistry and Physics</i> , 2013 , 137, 859-865	4.4	5
22	Evidence obtained by gas chromatography-mass spectrometry of conversion of alkanes into aromatic compounds during coal pyrolysis. <i>Journal of Chromatography A</i> , 1993 , 655, 155-161	4.5	5
21	A case of late-stage lymphogranuloma venereum in a woman in Europe. <i>Sexually Transmitted Diseases</i> , 2013 , 40, 792-3	2.4	4
20	Use of Dendrimers during the Synthesis of Pt-Ru Electrocatalysts for PEM Fuel Cells: Effects on the Physical and Electrochemical Properties. <i>International Journal of Electrochemistry</i> , 2011 , 2011, 1-7	2.4	3
19	Distribution of the activation energies for the thermal decomposition of organic and pyritic sulphur in coal. <i>Fuel Processing Technology</i> , 1993 , 36, 319-325	7.2	3
18	Ordered Mesoporous Carbon as a Support of Pd Catalysts for CO2 Electrochemical Reduction. <i>Catalysts</i> , 2020 , 10, 912	4	3
17	Electrochemical Performance and Alkaline Stability of Cross-linked Quaternized Polyepichlorohydrin/PvDF Blends for Anion-Exchange Membrane Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 5494-5504	3.8	3

16	Titanium carbonitride/graphene composites assembled with organic linkers as electrocatalytic supports for methanol oxidation reaction. <i>Catalysis Today</i> , 2020 , 356, 101-109	5.3	3
15	Carbon nanofiber-supported tantalum oxides as durable catalyst for the oxygen evolution reaction in alkaline media. <i>Renewable Energy</i> , 2021 , 178, 307-317	8.1	3
14	Non platinum-based cathode catalyst systems for direct methanol fuel cells 2020 , 289-316		2
13	Response to the comments on Metallic and carbonaceous-based catalysts performance in the solar catalytic decomposition of methane for hydrogen and carbon production by A. Rollinson. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 14716-14717	6.7	2
12	Characterization of carbon nanofibers grown over Ni and Ni-cu catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 4170-9	1.3	2
11	On-site production of hydrogen from mineral waste oils by thermocatalytic decomposition: an Aragon case study. <i>Environmental Science & Technology</i> , 2005 , 39, 6871-6	10.3	2
10	Cesium as Alkali Promoter in Me-Cs (Me = Cu, Co, Fe)/Al ₂ O ₃ /Structured Catalysts for the Simultaneous Removal of Soot and NO _x . <i>Modern Research in Catalysis</i> , 2013 , 02, 57-62	0.6	2
9	Non-precious Melamine/Chitosan Composites for the Oxygen Reduction Reaction: Effect of the Transition Metal. <i>Frontiers in Materials</i> , 2020 , 7,	4	2
8	Optimization of the Catalytic Layer for Alkaline Fuel Cells Based on Fumatech Membranes and Ionomer. <i>Catalysts</i> , 2020 , 10, 1353	4	2
7	Effect of 1-octanethiol as an electrolyte additive on the performance of the iron-air battery electrodes. <i>Journal of Solid State Electrochemistry</i> , 2021 , 25, 225-230	2.6	2
6	Influence of Synthesis pH on Textural Properties of Carbon Xerogels as Supports for Pt/CXs Catalysts for Direct Methanol Fuel Cells. <i>International Journal of Electrochemistry</i> , 2012 , 2012, 1-9	2.4	1
5	Electrocatalytic Performance of Palladium-Based Electrocatalysts Supported on Carbon Nanotubes for Formic Acid Oxidation. <i>ECS Transactions</i> , 2019 , 92, 317-324	1	1
4	Mesoporous Ce/Fe/Ni nanocomposites encapsulated in carbon-nanofibers: Synthesis, characterization and catalytic behavior in oxygen evolution reaction. <i>Carbon</i> , 2022 , 196, 186-202	10.4	1
3	Influence of the Alumina Precursor on the Activity of Structured Fe ₃ O ₄ /Al ₂ O ₃ Catalysts Towards the Simultaneous Removal of Soot and NO _x . <i>Topics in Catalysis</i> , 2017 , 60, 355-360	2.3	
2	Carbon Nanostructures as Electrocatalyst Supports for Polymer Electrolyte Fuel Cells 1-46		
1	Influence of Nitrogen and Sulfur Doping of Carbon Xerogels on the Performance and Stability of Counter Electrodes in Dye Sensitized Solar Cells. <i>Catalysts</i> , 2022 , 12, 264	4	