

Isabel Suelves

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136
papers

4,212
citations

36
h-index

56
g-index

137
ext. papers

4,627
ext. citations

7.1
avg, IF

5.47
L-index

#	Paper	IF	Citations
136	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
135	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
134	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
133	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
132	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
131	The effect of the functionalization of carbon nanofibers on their electronic conductivity. <i>Carbon</i> , 2010 , 48, 4421-4431	10.4	97
130	Hydrogen production by methane decarbonization: Carbonaceous catalysts. <i>International Journal of Hydrogen Energy</i> , 2007 , 32, 3320-3326	6.7	97
129	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
128	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
127	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
126	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
125	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
124	Carbonaceous materials as catalysts for decomposition of methane. <i>Chemical Engineering Journal</i> , 2008 , 140, 432-438	14.7	73
123	Kinetic study of the thermal decomposition of methane using carbonaceous catalysts. <i>Chemical Engineering Journal</i> , 2008 , 138, 301-306	14.7	68
122	Thermo catalytic decomposition of methane over NiMg and NiCuMg catalysts. <i>Applied Catalysis A: General</i> , 2007 , 333, 229-237	5.1	66
121	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
120	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

119	Carbon nanofiber supported Mo ₂ C catalysts for hydrodeoxygenation of guaiacol: The importance of the carburization process. <i>Applied Catalysis B: Environmental</i> , 2018 , 239, 463-474	21.8	59
118	Efficiency and emissions in a vehicle spark ignition engine fueled with hydrogen and methane blends. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 11495-11503	6.7	59
117	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
116	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
115	Hydrogen and multiwall carbon nanotubes production by catalytic decomposition of methane: Thermogravimetric analysis and scaling-up of Fe/Mo catalysts. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 3698-3709	6.7	54
114	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
113	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
112	Chromatographic separations enabling the structural characterisation of heavy petroleum residues. <i>Fuel</i> , 2003 , 82, 1-14	7.1	51
111	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
110	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
109	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
108	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
107	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
106	On the oxidation degree of few-layer graphene oxide sheets obtained from chemically oxidized multiwall carbon nanotubes. <i>Carbon</i> , 2015 , 81, 405-417	10.4	45
105	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
104	Characterisation of tars from the co-pyrolysis of waste lubricating oils with coal. <i>Fuel</i> , 2001 , 80, 179-194	7.1	42
103	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
102	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

101	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
100	Pyrolysis-gas chromatography/mass spectrometry of fractions separated from a low-temperature coal tar: an attempt to develop a general method for characterising structures and compositions of heavy hydrocarbon liquids. <i>Rapid Communications in Mass Spectrometry</i> , 2002 , 16, 774-84	2.2	36
99	Comparison of Fractionation Methods for the Structural Characterization of Petroleum Residues. <i>Energy & Fuels</i> , 2001 , 15, 429-437	4.1	36
98	The graphitization of carbon nanofibers produced by the catalytic decomposition of natural gas. <i>Carbon</i> , 2009 , 47, 2563-2570	10.4	35
97	Ni/Mg and Ni/Cu/Mg catalysts for simultaneous production of hydrogen and carbon nanofibers. The effect of calcination temperature. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 1719-1728	6.7	35
96	Screening of Ni-Cu bimetallic catalysts for hydrogen and carbon nanofilaments production via catalytic decomposition of methane. <i>Applied Catalysis A: General</i> , 2018 , 559, 10-19	5.1	34
95	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
94	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
93	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
92	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
91	The unusual properties of high mass materials from coal-derived liquids?. <i>Fuel</i> , 2003 , 82, 1813-1823	7.1	33
90	Ni-Co bimetallic catalysts for the simultaneous production of carbon nanofibres and syngas through biogas decomposition. <i>Applied Catalysis B: Environmental</i> , 2017 , 200, 255-264	21.8	32
89	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
88	Pyrolysis-gas chromatography/mass spectrometry of a coal extract and its fractions separated by planar chromatography: correlation of structural features with molecular mass. <i>Rapid Communications in Mass Spectrometry</i> , 2000 , 14, 1766-82	2.2	32
87	Ni-MoS2 supported on carbon nanofibers as hydrogenation catalysts: Effect of support functionalisation. <i>Carbon</i> , 2015 , 81, 574-586	10.4	31
86	Relationship between carbon morphology and catalyst deactivation in the catalytic decomposition of biogas using Ni, Co and Fe based catalysts. <i>Fuel</i> , 2015 , 139, 71-78	7.1	29
85	Carbon nanofibres coated with Ni decorated MoS2 nanosheets as catalyst for vacuum residue hydroprocessing. <i>Applied Catalysis B: Environmental</i> , 2014 , 148-149, 357-365	21.8	28
84	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

83	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
82	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
81	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
80	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
79	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
78	Valorization of Lube Oil Waste by Pyrolysis. <i>Energy & Fuels</i> , 1997 , 11, 1165-1170	4.1	27
77	Trace-Element Partitioning between Fractions of Coal Liquids during Column Chromatography and Solvent Separation. <i>Energy & Fuels</i> , 2003 , 17, 862-873	4.1	27
76	Co-, Cu- and Fe-Doped Ni/Al ₂ O ₃ Catalysts for the Catalytic Decomposition of Methane into Hydrogen and Carbon Nanofibers. <i>Catalysts</i> , 2018 , 8, 300	4	25
75	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
74	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
73	Valuable Products from Mineral Waste Oils Containing Heavy Metals. <i>Environmental Science & Technology</i> , 2000 , 34, 3205-3210	10.3	25
72	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
71	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
70	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
69	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
68	Bio-oil upgrading in supercritical water using Ni-Co catalysts supported on carbon nanofibres. <i>Fuel Processing Technology</i> , 2016 , 154, 178-187	7.2	23
67	Pyrolysis of Baltic amber in a wire-mesh pyrolysis reactor: structural comparison of the tars with amber extracts in NMP. <i>Journal of Analytical and Applied Pyrolysis</i> , 2001 , 58-59, 299-313	6	22
66	Towards a sustainable bio-fuels production from lignocellulosic bio-oils: Influence of operating conditions on the hydrodeoxygenation of guaiacol over a Mo ₂ C/CNF catalyst. <i>Fuel Processing Technology</i> , 2019 , 191, 111-120	7.2	20

65	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
64	Effects of Air-Blowing on the Molecular Size and Structure of Coal-Tar Pitch Components. <i>Energy & Fuels</i> , 2002 , 16, 1540-1549	4.1	20
63	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
62	Liquid-Phase Hydrodeoxygenation of Guaiacol over Mo2C Supported on Commercial CNF. Effects of Operating Conditions on Conversion and Product Selectivity. <i>Catalysts</i> , 2018 , 8, 127	4	20
61	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
60	On the Chemical Composition of Thermally Treated Coal-Tar Pitches. <i>Energy & Fuels</i> , 2001 , 15, 214-223	19	
59	Unzipping of multi-wall carbon nanotubes with different diameter distributions: Effect on few-layer graphene oxide obtention. <i>Applied Surface Science</i> , 2017 , 424, 101-110	6.7	18
58	Effect of carbon-based materials and CeO2 on Ni catalysts for Kraft lignin liquefaction in supercritical water. <i>Green Chemistry</i> , 2018 , 20, 4308-4318	10	18
57	Influence of the inherent metal species on the graphitization of methane-based carbon nanofibers. <i>Carbon</i> , 2012 , 50, 5387-5394	10.4	18
56	A comparative study of the composition of anthracene oil polymerized by different treatments. <i>Fuel</i> , 2001 , 80, 2155-2162	7.1	18
55	Structural characterization of products from fuel-rich combustion: An approach based on size exclusion chromatography. <i>Combustion Science and Technology</i> , 2002 , 174, 345-359	1.5	18
54	Catalytic decomposition of methane for the simultaneous co-production of CO2-free hydrogen and carbon nanofibre based polymers. <i>Fuel</i> , 2011 , 90, 430-432	7.1	17
53	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
52	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
51	Low cost catalytic sorbents for NOx reduction. 3. NO reduction tests using NH3 as reducing agent. <i>Fuel</i> , 2004 , 83, 875-884	7.1	16
50	H2/H4 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
49	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
48	Low cost catalytic sorbents for NOx reduction. 2. Tests with no reduction reactivities?. <i>Fuel</i> , 2003 , 82, 771-782	15	

47	Structure and composition of coal tars: An attempt to correlate molecular structure with increasing molecular mass. <i>Combustion Science and Technology</i> , 2003 , 175, 775-791	1.5	15
46	Effects of thermal treatment on the composition and properties of air-blown anthracene oils. <i>Fuel</i> , 2001 , 80, 1229-1238	7.1	15
45	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
44	Structural characterisation of Baltic amber and its solvent extracts by several mass spectrometric methods. <i>Rapid Communications in Mass Spectrometry</i> , 2001 , 15, 845-56	2.2	14
43	Characterization of Chars Obtained from Co-pyrolysis of Coal and Petroleum Residues. <i>Energy & Fuels</i> , 2002 , 16, 878-886	4.1	14
42	Co-Pyrolysis of Coals and Lube Oil Wastes in a Bench-Scale Unit. <i>Energy & Fuels</i> , 1999 , 13, 907-913	4.1	14
41	Graphene quantum dots from fishbone carbon nanofibers. <i>RSC Advances</i> , 2016 , 6, 48504-48514	3.7	14
40	Sustainable production of liquid biofuels and value-added platform chemicals by hydrodeoxygenation of lignocellulosic bio-oil over a carbon-neutral Mo ₂ C/CNF catalyst. <i>Chemical Engineering Journal</i> , 2021 , 405, 126705	14.7	14
39	Effect of the synthesis conditions of Ni/Al ₂ O ₃ catalysts on the biogas decomposition to produce H ₂ -rich gas and carbon nanofibers. <i>Applied Catalysis B: Environmental</i> , 2015 , 165, 457-465	21.8	13
38	Nanostructured Carbon Materials as Supports in the Preparation of Direct Methanol Fuel Cell Electrocatalysts. <i>Catalysts</i> , 2013 , 3, 671-682	4	13
37	Pyrolysis-gas chromatography/mass spectrometry of pitch fractions recovered from preparative size exclusion chromatography: structural differences with increasing molecular size. <i>Rapid Communications in Mass Spectrometry</i> , 2002 , 16, 481-495	2.2	13
36	Graphene oxide nanofibers: A nanocarbon material with tuneable electrochemical properties. <i>Applied Surface Science</i> , 2020 , 509, 144774	6.7	13
35	Scanning different Ni-noble metal (Pt, Pd, Ru) bimetallic nanoparticles supported on carbon nanofibers for one-pot cellobiose conversion. <i>Applied Catalysis A: General</i> , 2019 , 585, 117182	5.1	12
34	Study of the polymerization of anthracene oil with AlCl ₃ by chromatography and related techniques. <i>Journal of Chromatography A</i> , 2001 , 919, 255-66	4.5	12
33	Enhanced Reduction of Few-Layer Graphene Oxide via Supercritical Water Gasification of Glycerol. <i>Nanomaterials</i> , 2017 , 7,	5.4	11
32	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
31	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
30	Solvent degradation during coal liquefaction in a flowing-solvent reactor. <i>Fuel</i> , 2004 , 83, 157-179	7.1	11

29	Catalytic hydrocracking of primary maceral concentrate extracts prepared in a flowing solvent reactor. <i>Fuel</i> , 2002 , 81, 185-202	7.1	11
28	Catalytic decomposition of biogas to produce hydrogen rich fuels for SI engines and valuable nanocarbons. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 15084-15091	6.7	10
27	Acid treated carbon nanofibers as catalytic support for heavy oil hydroprocessing. <i>Catalysis Today</i> , 2015 , 249, 79-85	5.3	9
26	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
25	Influence of carburization time on the activity of Mo ₂ C/CNF catalysts for the HDO of guaiacol. <i>Catalysis Today</i> , 2020 , 357, 240-247	5.3	9
24	Formation of hydrogen and filamentous carbon over a Ni _{0.5} Al ₂ O ₃ catalyst through ethane decomposition. <i>Applied Catalysis A: General</i> , 2011 , 394, 220-227	5.1	8
23	Cobalt doping of Fe/Al ₂ O ₃ catalysts for the production of hydrogen and high-quality carbon nanotubes by thermal decomposition of methane. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 19313-19323	6.7	7
22	Structural Characterization of High-Softening-Point Pitches By Oxidation with RuO ₄ . <i>Energy & Fuels</i> , 2001 , 15, 128-134	4.1	7
21	Capacitance Enhancement of Hydrothermally Reduced Graphene Oxide Nanofibers. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
20	Structural effects of sample ageing in hydrocracked coal liquefaction extracts. <i>Fuel</i> , 2000 , 79, 1423-1429	7.1	6
19	H ₂ -rich gases production from Catalytic Decomposition of Biogas: Viability of the process associated to the co-production of carbon nanofibers. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 23484-23493	6.7	5
18	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
17	Tailored synthesis of organised mesoporous aluminas prepared by non-ionic surfactant templating using a Box-Wilson CCF design. <i>Microporous and Mesoporous Materials</i> , 2013 , 179, 69-77	5.3	4
16	A multicriteria approach for evaluating high temperature hydrogen production processes. <i>International Journal of Multicriteria Decision Making</i> , 2011 , 1, 177	0.9	4
15	Custom-sized graphene oxide for the hydrolysis of cellulose. <i>Carbon</i> , 2021 , 175, 429-439	10.4	4
14	Analysis and optimisation of a novel 'almond-refinery' concept: Simultaneous production of biofuels and value-added chemicals by hydrothermal treatment of almond hulls. <i>Science of the Total Environment</i> , 2021 , 765, 142671	10.2	4
13	Nanostructured Carbon Material Effect on the Synthesis of Carbon-Supported Molybdenum Carbide Catalysts for Guaiacol Hydrodeoxygenation. <i>Energies</i> , 2020 , 13, 1189	3.1	3
12	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

11	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
10	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
9	On the hydrothermal-enhanced synthesis of highly selective Mo ₂ C catalysts to fully deoxygenated products in the guaiacol HDO reaction. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105146	6.8	2
8	Non-oxidative decomposition of propane: Ni-Cu/Al ₂ O ₃ catalyst for the production of CO ₂ -free hydrogen and high-value carbon nanofibers. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105022	6.8	2
7	Lignin to Monoaromatics with a Carbon-Nanofiber-Supported NiTeO ₂ Catalyst Synthesized in a One-Pot Hydrothermal Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 12800-12812	8.3	2
6	Natural Fe-based catalysts for the production of hydrogen and carbon nanomaterials via methane decomposition. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 35137-35148	6.7	2
5	Caffeinating the biofuels market: Effect of the processing conditions during the production of biofuels and high-value chemicals by hydrothermal treatment of residual coffee pulp. <i>Journal of Cleaner Production</i> , 2021 , 302, 127008	10.3	1
4	Synthesis and characterization of a supported Pd complex on carbon nanofibers for the selective decarbonylation of stearic acid to 1-heptadecene: the importance of subnanometric Pd dispersion. <i>Catalysis Science and Technology</i> , 2020 , 10, 2970-2985	5.5	1
3	Pyrolysis-gas chromatography/mass spectrometry of a coal extract and its fractions separated by planar chromatography: correlation of structural features with molecular mass 2000 , 14, 1766		1
2	Pyrolysis-gas chromatography/mass spectrometry of pitch fractions recovered from preparative size exclusion chromatography: structural differences with increasing molecular size 2002 , 16, 481		1
1	Direct conversion of almond waste into value-added liquids using carbon-neutral catalysts: Hydrothermal hydrogenation of almond hulls over a Ru/CNF catalyst.. <i>Science of the Total Environment</i> , 2022 , 154044	10.2	0