

Chunfei Wu

List of Publications by Year in descending order

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171
papers

10,276
citations

26630

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h-index

42399

92
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174
all docs

174
docs citations

174
times ranked

6915
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinguishing the impact of temperature on iron catalyst during the catalytic-pyrolysis of waste polypropylene. <i>Proceedings of the Combustion Institute</i> , 2023, 39, 835-845.	3.9	1
2	Removal of antimonite (Sb(III)) from aqueous solution using a magnetic iron-modified carbon nanotubes (CNTs) composite: Experimental observations and governing mechanisms. <i>Chemosphere</i> , 2022, 288, 132581.	8.2	9
3	Nitrogen enriched biochar used as CO ₂ adsorbents: a brief review. <i>Carbon Capture Science & Technology</i> , 2022, 2, 100018.	10.4	33
4	Effect of auto thermal biomass gasification on the sintering of simulated ashes. <i>Applications in Energy and Combustion Science</i> , 2022, 9, 100054.	1.5	3
5	Application of Carbon Nanotubes from Waste Plastics As Filler to Epoxy Resin Composite. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 2204-2213.	6.7	20
6	Potential photo-switching sorbents for CO ₂ capture – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 158, 112079.	16.4	18
7	Integrated CO ₂ capture and methanation on Ru/CeO ₂ -MgO combined materials: Morphology effect from CeO ₂ support. <i>Fuel</i> , 2022, 317, 123420.	6.4	37
8	Facile and green preparation of solid carbon nanooxions <i>via</i> catalytic co-pyrolysis of lignin and polyethylene and their adsorption capability towards Cu(II). <i>RSC Advances</i> , 2022, 12, 5042-5052.	3.6	3
9	A steric hindrance alleviation strategy to enhance the photo-switching efficiency of azobenzene functionalized metal-organic frameworks toward tailorable carbon dioxide capture. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8303-8308.	10.3	11
10	Hydrogen production from autothermal CO ₂ gasification of cellulose in a fixed-bed reactor: Influence of thermal compensation from CaO carbonation. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 41480-41487.	7.1	6
11	Hydrogen generation from biomass by pyrolysis. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	21.2	55
12	Integrated carbon capture and utilization: Synergistic catalysis between highly dispersed Ni clusters and ceria oxygen vacancies. <i>Chemical Engineering Journal</i> , 2022, 437, 135394.	12.7	33
13	Ni promoted Fe-CaO dual functional materials for calcium chemical dual looping. <i>Chemical Engineering Journal</i> , 2022, 441, 135752.	12.7	30
14	Photoswitching metal organic frameworks development and applications on environmental related topics. <i>Materials Today Sustainability</i> , 2022, 18, 100149.	4.1	5
15	Effect of steam addition for energy saving during CaCO ₃ calcination of auto thermal biomass gasification. <i>Biomass and Bioenergy</i> , 2022, 161, 106416.	5.7	6
16	Effective catalytic steam reforming of naphthalene over Ni-modified ZSM-5 via one-pot hydrothermal synthesis. <i>Waste Management</i> , 2022, 147, 1-9.	7.4	7
17	Boosting the Conversion of CO ₂ with Biochar to Clean CO in an Atmospheric Plasmatron: A Synergy of Plasma Chemistry and Thermochemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 7712-7725.	6.7	22
18	Feasibilities of producing high-value carbon nanotubes from waste plastics by spray pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022, 166, 105613.	5.5	8

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19	XAS/DRIFTS/MS spectroscopy for time-resolved operando study of integrated carbon capture and utilisation process. Separation and Purification Technology, 2022, 298, 121622.	7.9	4
20	Ni/support-CaO bifunctional combined materials for integrated CO ₂ capture and reverse water-gas shift reaction: Influence of different supports. Separation and Purification Technology, 2022, 298, 121604.	7.9	27
21	Drivers and reduction solutions of food waste in the Chinese food service business. Sustainable Production and Consumption, 2021, 26, 78-88.	11.0	31
22	A Review of Non-Thermal Plasma Technology: A novel solution for CO ₂ conversion and utilization. Renewable and Sustainable Energy Reviews, 2021, 135, 109702.	16.4	234
23	Understanding the interaction between active sites and sorbents during the integrated carbon capture and utilization process. Fuel, 2021, 286, 119308.	6.4	47
24	Waste plastics recycling for producing high-value carbon nanotubes: Investigation of the influence of Manganese content in Fe-based catalysts. Journal of Hazardous Materials, 2021, 402, 123726.	12.4	49
25	Thermo-chemical conversion of carbonaceous wastes for CNT and hydrogen production: a review. Sustainable Energy and Fuels, 2021, 5, 4173-4208.	4.9	33
26	Highly active and stable Ni/perovskite catalysts in steam methane reforming for hydrogen production. Sustainable Energy and Fuels, 2021, 5, 1845-1856.	4.9	30
27	Recent advances in integrated CO ₂ capture and utilization: a review. Sustainable Energy and Fuels, 2021, 5, 4546-4559.	4.9	142
28	Investigation of spherical alumina supported catalyst for carbon nanotubes production from waste polyethylene. Chemical Engineering Research and Design, 2021, 146, 201-207.	5.6	19
29	A thermogravimetric assessment of the tri-combustion process for coal, biomass and polyethylene. Fuel, 2021, 287, 119355.	6.4	37
30	Amine or Azo functionalized hypercrosslinked polymers for highly efficient CO ₂ capture and selective CO ₂ capture. Materials Today Communications, 2021, 27, 102338.	1.9	7
31	Progress in carbon-based electrocatalyst derived from biomass for the hydrogen evolution reaction. Fuel, 2021, 293, 120440.	6.4	53
32	Pyrolysis characteristics and non-isothermal kinetics of waste wood biomass. Energy, 2021, 226, 120358.	8.8	69
33	Sustainable synthesis of bright green fluorescent carbon quantum dots from lignin for highly sensitive detection of Fe ³⁺ ions. Applied Surface Science, 2021, 565, 150526.	6.1	63
34	Integrated CO ₂ capture and utilization with CaO-alone for high purity syngas production. Carbon Capture Science & Technology, 2021, 1, 100001.	10.4	69
35	Efficient-and-stable CH ₄ reforming with integrated CO ₂ capture and utilization using Li ₄ SiO ₄ sorbent. Separation and Purification Technology, 2021, 277, 119476.	7.9	42
36	Experimental and thermodynamic study on sorption-enhanced steam reforming of toluene for H ₂ production using the mixture of Ni/perovskite-CaO. Fuel, 2021, 305, 121447.	6.4	23

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37	Coked Ni/Al ₂ O ₃ from the catalytic reforming of volatiles from co-pyrolysis of lignin and polyethylene: preparation, identification and application as a potential adsorbent. <i>Catalysis Science and Technology</i> , 2021, 11, 4162-4171.	4.1	9
38	Sorption enhanced ethanol steam reforming on a bifunctional Ni/CaO catalyst for H ₂ production. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106725.	6.7	26
39	Carbon nanotubes/Al ₂ O ₃ composite derived from catalytic reforming of the pyrolysis volatiles of the mixture of polyethylene and lignin for highly-efficient removal of Pb(II). <i>RSC Advances</i> , 2021, 11, 37851-37865.	3.6	9
40	Co-pyrolysis of lignin and polyethylene with the addition of transition metals - Part I: Thermal behavior and kinetics analysis. <i>Journal of the Energy Institute</i> , 2020, 93, 281-291.	5.3	28
41	H ₂ production from co-pyrolysis/gasification of waste plastics and biomass under novel catalyst Ni-CaO-C. <i>Chemical Engineering Journal</i> , 2020, 382, 122947.	12.7	145
42	Temperature sensitivity of the selective catalytic reduction (SCR) performance of Ce-TiO ₂ in the presence of SO ₂ . <i>Chemosphere</i> , 2020, 243, 125419.	8.2	39
43	Catalytic conversion of hard plastics to valuable carbon nanotubes. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020, 145, 104748.	5.5	36
44	Enhanced hydrogen production from catalytic biomass gasification with in-situ CO ₂ capture. <i>Environmental Pollution</i> , 2020, 267, 115487.	7.5	37
45	Experimental investigation on vapor liquid equilibrium and azeotropic behavior for the 1,1,1,2-tetrafluoroethane (R134a)+propane (R290) system at temperatures from 253.15 to 303.15 K. <i>International Journal of Refrigeration</i> , 2020, 120, 209-220.	3.4	0
46	State-of-the-Art on the Preparation, Modification, and Application of Biomass-Derived Carbon Quantum Dots. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 22017-22039.	3.7	67
47	Study on non-isothermal kinetics and the influence of calcium oxide on hydrogen production during bituminous coal pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020, 150, 104888.	5.5	36
48	Ethanol Steam Reforming for Hydrogen Production Over Hierarchical Macroporous Mesoporous SBA-15 Supported Nickel Nanoparticles. <i>Topics in Catalysis</i> , 2020, 63, 403-412.	2.8	9
49	Autothermal CaO looping biomass gasification to increase process energy efficiency and reduce ash sintering. <i>Fuel</i> , 2020, 277, 118199.	6.4	26
50	Thermodynamic analysis of hybrid adiabatic compressed air energy storage system and biomass gasification storage (A-CAESA+BMGS) power system. <i>Fuel</i> , 2020, 271, 117572.	6.4	35
51	The effect of phase change material balls on the thermal characteristics in hot water tanks: CFD research. <i>Applied Thermal Engineering</i> , 2020, 178, 115557.	6.0	14
52	Catalytic oxidation of NO over MnO _x -CoO _x /TiO ₂ in the presence of a low ratio of O ₃ /NO: activity and mechanism. <i>RSC Advances</i> , 2020, 10, 24493-24506.	3.6	4
53	One-pot synthesis of digestate-derived biochar for carbon dioxide capture. <i>Fuel</i> , 2020, 279, 118525.	6.4	39
54	Direct and highly selective conversion of captured CO ₂ into methane through integrated carbon capture and utilization over dual functional materials. <i>Journal of CO₂ Utilization</i> , 2020, 38, 262-272.	6.8	77

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55	Structured ZSM-5/SiC foam catalysts for bio-oils upgrading. <i>Applied Catalysis A: General</i> , 2020, 599, 117626.	4.3	22
56	Carbon nanotubes (CNTs) production from catalytic pyrolysis of waste plastics: The influence of catalyst and reaction pressure. <i>Catalysis Today</i> , 2020, 351, 50-57.	4.4	70
57	Integrated gasification and non-thermal plasma-catalysis system for cleaner syngas production from cellulose. <i>IOP SciNotes</i> , 2020, 1, 024001.	0.8	9
58	Effect of Transition Metal Additives on the Catalytic Performance of Cu-Mn/SAPO-34 for Selective Catalytic Reduction of NO with NH ₃ at Low Temperature. <i>Catalysts</i> , 2019, 9, 685.	3.5	7
59	Autothermal CaO Looping Biomass Gasification for Renewable Syngas Production. <i>Environmental Science & Technology</i> , 2019, 53, 9298-9305.	10.0	21
60	Roles of alkali/alkaline earth metals in steam reforming of biomass tar for hydrogen production over perovskite supported Ni catalysts. <i>Fuel</i> , 2019, 257, 116032.	6.4	92
61	Fundamental studies of carbon capture using CaO-based materials. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9977-9987.	10.3	50
62	Sulfation effect of Ce/TiO ₂ catalyst for the selective catalytic reduction of NO _x with NH ₃ : mechanism and kinetic studies. <i>RSC Advances</i> , 2019, 9, 32110-32120.	3.6	11
63	CO ₂ capture using mesocellular siliceous foam (MCF)-supported CaO. <i>Journal of the Energy Institute</i> , 2019, 92, 1591-1598.	5.3	10
64	Development of Ca/KIT-6 adsorbents for high temperature CO ₂ capture. <i>Fuel</i> , 2019, 235, 1070-1076.	6.4	31
65	Review of biochar for the management of contaminated soil: Preparation, application and prospect. <i>Science of the Total Environment</i> , 2019, 659, 473-490.	8.0	310
66	Dual functional catalytic materials of Ni over Ce-modified CaO sorbents for integrated CO ₂ capture and conversion. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 63-75.	20.2	180
67	Hydrogen sorption and desorption behaviors of Mg-Ni-Cu doped carbon nanotubes at high temperature. <i>Energy</i> , 2019, 167, 1097-1106.	8.8	36
68	Ethanol steam reforming on Ni/CaO catalysts for coproduction of hydrogen and carbon nanotubes. <i>International Journal of Energy Research</i> , 2019, 43, 1255-1271.	4.5	27
69	Investigate the interactions between biomass components during pyrolysis using in-situ DRIFTS and TGA. <i>Chemical Engineering Science</i> , 2019, 195, 767-776.	3.8	60
70	Effect of calcium addition on Mg-AlO _x supported Ni catalysts for hydrogen production from pyrolysis-gasification of biomass. <i>Catalysis Today</i> , 2018, 309, 2-10.	4.4	57
71	Thermal Chemical Conversion of High-Density Polyethylene for the Production of Valuable Carbon Nanotubes Using Ni/AAO Membrane Catalyst. <i>Energy & Fuels</i> , 2018, 32, 4511-4520.	5.1	25
72	Study of oily sludge pyrolysis combined with fine particle removal using a ceramic membrane in a fixed-bed reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018, 128, 276-281.	3.6	34

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73	Simultaneous removal of NO and Hg0 using Fe and Co co-doped Mn-Ce/TiO ₂ catalysts. <i>Fuel</i> , 2018, 224, 241-249.	6.4	72
74	Thermal Characteristics of Biomass Pyrolysis Oil and Potential Hydrogen Production by Catalytic Steam Reforming. <i>Energy & Fuels</i> , 2018, 32, 5234-5243.	5.1	28
75	Utilization of NiO/porous ceramic monolithic catalyst for upgrading biomass fuel gas. <i>Journal of the Energy Institute</i> , 2018, 91, 331-338.	5.3	15
76	Enhancing hydrogen production from the pyrolysis-gasification of biomass by size-confined Ni catalysts on acidic MCM-41 supports. <i>Catalysis Today</i> , 2018, 307, 154-161.	4.4	36
77	State-of-the-art on the production and application of carbon nanomaterials from biomass. <i>Green Chemistry</i> , 2018, 20, 5031-5057.	9.0	256
78	Biomass and Wastes for Bioenergy: Thermochemical Conversion and Biotechnologies. <i>BioMed Research International</i> , 2018, 2018, 1-2.	1.9	2
79	Techno-economic analysis of wind power integrated with both compressed air energy storage (CAES) and biomass gasification energy storage (BGES) for power generation. <i>RSC Advances</i> , 2018, 8, 22004-22022.	3.6	24
80	Preparation, modification and development of Ni-based catalysts for catalytic reforming of tar produced from biomass gasification. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 94, 1086-1109.	16.4	206
81	Modelling of down-draft gasification of biomass – An integrated pyrolysis, combustion and reduction process. <i>Applied Thermal Engineering</i> , 2018, 142, 444-456.	6.0	44
82	Thermal behavior and kinetics of co-pyrolysis of cellulose and polyethylene with the addition of transition metals. <i>Energy Conversion and Management</i> , 2018, 172, 32-38.	9.2	44
83	Producing carbon nanotubes from thermochemical conversion of waste plastics using Ni/ceramic based catalyst. <i>Chemical Engineering Science</i> , 2018, 192, 882-891.	3.8	30
84	Hydrogen production from cellulose catalytic gasification on CeO ₂ /Fe ₂ O ₃ catalyst. <i>Energy Conversion and Management</i> , 2018, 171, 241-248.	9.2	55
85	Investigation of Ni/SiO ₂ catalysts prepared at different conditions for hydrogen production from ethanol steam reforming. <i>Journal of the Energy Institute</i> , 2017, 90, 276-284.	5.3	30
86	Pyrolysis-catalysis of waste plastic using a nickel-stainless-steel mesh catalyst for high-value carbon products. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 2889-2897.	2.2	27
87	Kinetics, equilibrium and thermodynamics studies on biosorption of Rhodamine B from aqueous solution by earthworm manure derived biochar. <i>International Biodeterioration and Biodegradation</i> , 2017, 120, 104-114.	3.9	50
88	Development of Ni- and Fe- based catalysts with different metal particle sizes for the production of carbon nanotubes and hydrogen from thermo-chemical conversion of waste plastics. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 125, 32-39.	5.5	77
89	Co-production of hydrogen and carbon nanotubes from catalytic pyrolysis of waste plastics on Ni-Fe bimetallic catalyst. <i>Energy Conversion and Management</i> , 2017, 148, 692-700.	9.2	180
90	Equilibrium, kinetics and thermodynamics of cadmium ions (Cd ²⁺) removal from aqueous solution using earthworm manure-derived carbon materials. <i>Journal of Molecular Liquids</i> , 2017, 241, 612-621.	4.9	24

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91	Ginkgo biloba L. shells-based adsorbent for the removal of Cu ²⁺ and Cd ²⁺ from aqueous solution: Kinetics, isotherm, thermodynamics and mechanisms. <i>Journal of Molecular Liquids</i> , 2017, 241, 603-611.	4.9	21
92	Continuous Pyrolysis of Sewage Sludge in a Screw-Feeding Reactor: Products Characterization and Ecological Risk Assessment of Heavy Metals. <i>Energy & Fuels</i> , 2017, 31, 5063-5072.	5.1	84
93	Tailored mesoporous silica supports for Ni catalysed hydrogen production from ethanol steam reforming. <i>Catalysis Communications</i> , 2017, 91, 76-79.	3.3	51
94	One-Step Reforming of CO ₂ and CH ₄ into High-Value Liquid Chemicals and Fuels at Room Temperature by Plasma-Driven Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13679-13683.	13.8	244
95	One-Step Reforming of CO ₂ and CH ₄ into High-Value Liquid Chemicals and Fuels at Room Temperature by Plasma-Driven Catalysis. <i>Angewandte Chemie</i> , 2017, 129, 13867-13871.	2.0	27
96	Promoting hydrogen-rich syngas production from catalytic reforming of biomass pyrolysis oil on nanosized nickel-ceramic catalysts. <i>Applied Thermal Engineering</i> , 2017, 125, 297-305.	6.0	36
97	Methanation of syngas (H ₂ /CO) over the different Ni-based catalysts. <i>Fuel</i> , 2017, 189, 419-427.	6.4	58
98	Preparation of Different Nickel-Iron/Titania-Alumina Catalysts for Hydrogen/Carbon Monoxide Methanation under Atmospheric Pressure. <i>Energy Technology</i> , 2017, 5, 1218-1227.	3.8	9
99	Low cost earthworm manure-derived carbon material for the adsorption of Cu ²⁺ from aqueous solution: Impact of pyrolysis temperature. <i>Ecological Engineering</i> , 2017, 98, 189-195.	3.6	22
100	Promoting hydrogen production and minimizing catalyst deactivation from the pyrolysis-catalytic steam reforming of biomass on nanosized NiZnAlO _x catalysts. <i>Fuel</i> , 2017, 188, 610-620.	6.4	83
101	Development of Fe-Promoted Ni-Al Catalysts for Hydrogen Production from Gasification of Wood Sawdust. <i>Energy & Fuels</i> , 2017, 31, 2118-2127.	5.1	31
102	Production of carbon nanotubes (CNTs) from thermochemical conversion of waste plastics using Ni/anodic aluminum oxide (AAO) template catalyst. <i>Energy Procedia</i> , 2017, 142, 525-530.	1.8	11
103	Low Temperature Selective Catalytic Reduction Using Molding Catalysts Mn-Ce/FA and Mn-Ce/FA-30%TiO ₂ . <i>Energies</i> , 2017, 10, 2084.	3.1	6
104	Waste-derived activated carbons for control of nitrogen oxides. <i>Proceedings of Institution of Civil Engineers: Waste and Resource Management</i> , 2016, 169, 30-41.	0.8	4
105	Fuels by Waste Plastics Using Activated Carbon, MCM-41, HZSM-5 and Their Mixture. <i>MATEC Web of Conferences</i> , 2016, 49, 05001.	0.2	10
106	High-value resource recovery products from waste tyres. <i>Proceedings of Institution of Civil Engineers: Waste and Resource Management</i> , 2016, 169, 137-145.	0.8	13
107	Carbon nanotubes synthesized from gaseous products of waste polymer pyrolysis and their application. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 120, 304-313.	5.5	62
108	Hydrogen production from biomass gasification using biochar as a catalyst/support. <i>Bioresource Technology</i> , 2016, 216, 159-164.	9.6	215

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109	Hydrogen production from catalytic steam reforming of benzene as tar model compound of biomass gasification. <i>Fuel Processing Technology</i> , 2016, 148, 380-387.	7.2	70
110	Production and application of carbon nanotubes, as a co-product of hydrogen from the pyrolysis-catalytic reforming of waste plastic. <i>Chemical Engineering Research and Design</i> , 2016, 103, 107-114.	5.6	83
111	Hydrogen production from pyrolysis catalytic reforming of cellulose in the presence of K alkali metal. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 10598-10607.	7.1	50
112	Pyrolysis/reforming of rice husks with a Ni-Al-dolomite catalyst: Influence of process conditions on syngas and hydrogen yield. <i>Journal of the Energy Institute</i> , 2016, 89, 657-667.	5.3	59
113	Influence of process conditions on the formation of 2-4 ring polycyclic aromatic hydrocarbons from the pyrolysis of polyvinyl chloride. <i>Fuel Processing Technology</i> , 2016, 144, 299-304.	7.2	49
114	Plasma-photocatalytic conversion of CO ₂ at low temperatures: Understanding the synergistic effect of plasma-catalysis. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 525-532.	20.2	215
115	Characteristics and catalytic properties of Ni/CaAlO _x catalyst for hydrogen-enriched syngas production from pyrolysis-steam reforming of biomass sawdust. <i>Applied Catalysis B: Environmental</i> , 2016, 183, 168-175.	20.2	132
116	The use of different metal catalysts for the simultaneous production of carbon nanotubes and hydrogen from pyrolysis of plastic feedstocks. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 497-510.	20.2	201
117	Hydrogen production from high temperature steam catalytic gasification of bio-char. <i>Journal of the Energy Institute</i> , 2016, 89, 222-230.	5.3	41
118	Low Temperature Performance of Selective Catalytic Reduction of NO with NH ₃ under a Concentrated CO ₂ Atmosphere. <i>Energies</i> , 2015, 8, 12331-12341.	3.1	10
119	CO ₂ gasification of bio-char derived from conventional and microwave pyrolysis. <i>Applied Energy</i> , 2015, 157, 533-539.	10.1	54
120	Novel Ni-Mg-Al-Ca catalyst for enhanced hydrogen production for the pyrolysis-gasification of a biomass/plastic mixture. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 113, 15-21.	5.5	101
121	Effect of interactions of PVC and biomass components on the formation of polycyclic aromatic hydrocarbons (PAH) during fast co-pyrolysis. <i>RSC Advances</i> , 2015, 5, 11371-11377.	3.6	56
122	Effect of growth temperature and feedstock:catalyst ratio on the production of carbon nanotubes and hydrogen from the pyrolysis of waste plastics. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 113, 231-238.	5.5	110
123	Influence of nickel-based catalysts on syngas production from carbon dioxide reforming of waste high density polyethylene. <i>Fuel Processing Technology</i> , 2015, 138, 156-163.	7.2	22
124	Catalytic steam reforming of volatiles released via pyrolysis of wood sawdust for hydrogen-rich gas production on Fe-Zn/Al ₂ O ₃ nanocatalysts. <i>Fuel</i> , 2015, 158, 999-1005.	6.4	37
125	Pyrolysis-Catalytic Reforming/Gasification of Waste Tires for Production of Carbon Nanotubes and Hydrogen. <i>Energy & Fuels</i> , 2015, 29, 3328-3334.	5.1	77
126	Polycyclic aromatic hydrocarbons (PAH) formation from the pyrolysis of different municipal solid waste fractions. <i>Waste Management</i> , 2015, 36, 136-146.	7.4	119

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127	Influence of metal addition to Ni-based catalysts for the co-production of carbon nanotubes and hydrogen from the thermal processing of waste polypropylene. <i>Fuel Processing Technology</i> , 2015, 130, 46-53.	7.2	98
128	High temperature pyrolysis of solid products obtained from rapid hydrothermal pre-processing of pinewood sawdust. <i>RSC Advances</i> , 2014, 4, 34784-34792.	3.6	7
129	Influence of Ni/SiO ₂ catalyst preparation methods on hydrogen production from the pyrolysis/reforming of refuse derived fuel. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 5723-5732.	7.1	24
130	Catalytic Pyrolysis/Gasification of Refuse Derived Fuel for Hydrogen Production and Tar Reduction: Influence of Nickel to Citric Acid Ratio Using Ni/SiO ₂ Catalysts. <i>Waste and Biomass Valorization</i> , 2014, 5, 625-636.	3.4	13
131	Catalytic Steam Gasification of Biomass for a Sustainable Hydrogen Future: Influence of Catalyst Composition. <i>Waste and Biomass Valorization</i> , 2014, 5, 175-180.	3.4	17
132	Control of steam input to the pyrolysis-gasification of waste plastics for improved production of hydrogen or carbon nanotubes. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 571-584.	20.2	152
133	Effect of interactions of biomass constituents on polycyclic aromatic hydrocarbons (PAH) formation during fast pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 110, 264-269.	5.5	43
134	Processing Real-World Waste Plastics by Pyrolysis-Reforming for Hydrogen and High-Value Carbon Nanotubes. <i>Environmental Science & Technology</i> , 2014, 48, 819-826.	10.0	176
135	Polycyclic Aromatic Hydrocarbon Formation from the Pyrolysis/Gasification of Lignin at Different Reaction Conditions. <i>Energy & Fuels</i> , 2014, 28, 6371-6379.	5.1	100
136	Experimental study, dynamic modelling, validation and analysis of hydrogen production from biomass pyrolysis/gasification of biomass in a two-stage fixed bed reaction system. <i>Fuel</i> , 2014, 137, 364-374.	6.4	35
137	Hydrogen production from catalytic reforming of the aqueous fraction of pyrolysis bio-oil with modified Ni-Al catalysts. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 14642-14652.	7.1	82
138	Evaluation of carbon nanotubes produced from toluene steam reforming as catalyst support for selective catalytic reduction of NO _x . <i>Journal of the Energy Institute</i> , 2014, 87, 367-371.	5.3	6
139	Conventional and microwave-assisted pyrolysis of biomass under different heating rates. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 107, 276-283.	5.5	124
140	Hydrogen production from biomass and plastic mixtures by pyrolysis-gasification. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 10883-10891.	7.1	210
141	Hydrogen from waste plastics by way of pyrolysis-gasification. <i>Proceedings of Institution of Civil Engineers: Waste and Resource Management</i> , 2014, 167, 35-46.	0.8	7
142	Pyrolysis/gasification of cellulose, hemicellulose and lignin for hydrogen production in the presence of various nickel-based catalysts. <i>Fuel</i> , 2013, 106, 697-706.	6.4	150
143	Optimising the sustainability of crude bio-oil via reforming to hydrogen and valuable by-product carbon nanotubes. <i>RSC Advances</i> , 2013, 3, 19239.	3.6	19
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