

Manuel Garcia-Perez

List of Publications by Year in Descending Order

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

141
papers

6,435
citations

49
h-index

77
g-index

146
ext. papers

7,596
ext. citations

5.9
avg, IF

6.24
L-index

#	Paper	IF	Citations
141	Biorefinery Processing of Waste to Supply Cost-Effective and Sustainable Inputs for Two-Stage Microalgal Cultivation. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1485	2.6	
140	Wet oxidation of thermochemical aqueous effluent utilizing char catalysts in microreactors. <i>Journal of Cleaner Production</i> , 2022 , 351, 131222	10.3	1
139	Evaluation of bio-refinery alternatives to produce sustainable aviation fuels in a sugarcane mill. <i>Fuel</i> , 2022 , 321, 123992	7.1	0
138	Advanced Oxidative Techniques for the Treatment of Aqueous Liquid Effluents from Biomass Thermochemical Conversion Processes: A Review. <i>Energy & Fuels</i> , 2022 , 36, 60-79	4.1	2
137	Biomass carbonization technologies 2022 , 39-92		0
136	Novel Amorphous Carbons for the Adsorption of Phosphate: Part I. Elucidation of Chemical Structure of N-Metal-Doped Chars.. <i>ACS Omega</i> , 2022 , 7, 14490-14504	3.9	
135	Production of Sustainable Aviation Fuels in Petroleum Refineries: Evaluation of New Bio-Refinery Concepts. <i>Frontiers in Energy Research</i> , 2021 , 9,	3.8	1
134	Evaluation of dry corn ethanol bio-refinery concepts for the production of sustainable aviation fuel. <i>Biomass and Bioenergy</i> , 2021 , 146, 105937	5.3	6
133	Biomass supply chain equipment for renewable fuels production: A review. <i>Biomass and Bioenergy</i> , 2021 , 148, 106054	5.3	8
132	Microbial lipid biosynthesis from lignocellulosic biomass pyrolysis products. <i>Biotechnology Advances</i> , 2021 , 107791	17.8	1
131	A novel elemental composition based prediction model for biochar aromaticity derived from machine learning. <i>Artificial Intelligence in Agriculture</i> , 2021 , 5, 133-141	7.8	1
130	Strategic assessment of sustainable aviation fuel production technologies: Yield improvement and cost reduction opportunities. <i>Biomass and Bioenergy</i> , 2021 , 145, 105942	5.3	13
129	Synthesis and Techno-Economic Analysis of Pyrolysis-Oil-Based Biorefineries Using P-Graph. <i>Energy & Fuels</i> , 2021 , 35, 13159-13169	4.1	5
128	Supply chain configuration of sustainable aviation fuel: Review, challenges, and pathways for including environmental and social benefits. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 152, 111680	16.2	3
127	Integrated Process of Biomass Thermochemical Conversion to Obtain Pyrolytic Sugars for Biofuels and Bioproducts 2020 , 285-311		3
126	Lignin Depolymerization: A Comparison of Methods to Analyze Monomers and Oligomers. <i>ChemSusChem</i> , 2020 , 13, 4633-4648	8.3	5
125	Contributions to Lignomics: Stochastic Generation of Oligomeric Lignin Structures for Interpretation of MALDI-FT-ICR-MS Results. <i>ChemSusChem</i> , 2020 , 13, 4428-4445	8.3	10

124	Novel Strategy To Analyze Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Data of Biomass Pyrolysis Oil for Oligomeric Structure Assignment. <i>Energy & Fuels</i> , 2020 , 34, 8466-8481	4.1	15
123	Deconvoluting the XPS spectra for nitrogen-doped chars: An analysis from first principles. <i>Carbon</i> , 2020 , 162, 528-544	10.4	95
122	Biomethane Production from Pyrolytic Aqueous Phase: Biomass Acid Washing and Condensation Temperature Effect on the Bio-oil and Aqueous Phase Composition. <i>Bioenergy Research</i> , 2020 , 13, 878-886	3.1	6
121	Pulp mill integration with alcohol-to-jet conversion technology. <i>Fuel Processing Technology</i> , 2020 , 201, 106338	7.2	8
120	Identification and quantification of trace oxygenated compounds in alternative jet fuels: Fluorescence methods for fast detection of phenolic compounds in operational field conditions. <i>Fuel</i> , 2020 , 271, 117652	7.1	4
119	Pyrolysis of lignocellulosic biomass: oil, char, and gas 2020 , 581-619		6
118	Sustainability, Business Models, and Techno-Economic Analysis of Biomass Pyrolysis Technologies 2020 , 1339-1373		
117	Microstructural analysis of nitrogen-doped char by Raman spectroscopy: Raman shift analysis from first principles. <i>Carbon</i> , 2020 , 167, 559-574	10.4	20
116	Nitrogen doped char from anaerobically digested fiber for phosphate removal in aqueous solutions. <i>Chemosphere</i> , 2020 , 240, 124889	8.4	26
115	A Review on Lignin Liquefaction: Advanced Characterization of Structure and Microkinetic Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 526-555	3.9	22
114	Pyrolytic oils from Amphipterygium adstringens bark inhibit IL-8 production of IL-17-stimulated HaCaT keratinocytes. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020 , 145, 104749	6	3
113	Co-hydrotreatment of the Bio-oil Lignin-Rich Fraction and Vegetable Oil. <i>Energy & Fuels</i> , 2020 , 34, 516-529	4.1	4
112	Vacuum Pyrolysis of Hybrid Poplar Milled Wood Lignin with Fourier Transform-Ion Cyclotron Resonance Mass Spectrometry Analysis of Feedstock and Products for the Elucidation of Reaction Mechanisms. <i>Energy & Fuels</i> , 2020 , 34, 14249-14263	4.1	7
111	Characteristics and mechanisms of phosphorous adsorption by rape straw-derived biochar functionalized with calcium from eggshell. <i>Bioresource Technology</i> , 2020 , 318, 124063	11	28
110	Ternary Phase Diagram of Water/Bio-Oil/Organic Solvent for Bio-Oil Fractionation. <i>Energy & Fuels</i> , 2020 , 34, 16250-16264	4.1	4
109	Valorization of municipal solid waste in biorefineries for the creation of a circular economy 2020 , 323-347		1
108	Investigation of the Antibacterial Activity and Subacute Toxicity of a Quercus crassifolia Polyphenolic Bark Extract for its Potential Use in Functional Foods. <i>Journal of Food Science</i> , 2019 , 84, 1692-1702	3.4	6
107	Thermodynamic stability of nitrogen functionalities and defects in graphene and graphene nanoribbons from first principles. <i>Carbon</i> , 2019 , 152, 715-726	10.4	11

106	Challenges and Opportunities for Bio-oil Refining: A Review. <i>Energy & Fuels</i> , 2019 , 33, 4683-4720	4.1	132
105	Progress in understanding the four dominant intra-particle phenomena of lignocellulose pyrolysis: chemical reactions, heat transfer, mass transfer, and phase change. <i>Green Chemistry</i> , 2019 , 21, 2868-2898 ¹⁰		51
104	Review of Biomass Resources and Conversion Technologies for Alternative Jet Fuel Production in Hawaii and Tropical Regions. <i>Energy & Fuels</i> , 2019 , 33, 2699-2762	4.1	41
103	Hydrotreatment of pyrolysis bio-oil: A review. <i>Fuel Processing Technology</i> , 2019 , 195, 106140	7.2	93
102	Synergistic effect of MoW carbides on selective hydrodeoxygenation of guaiacol to oxygen-free aromatic hydrocarbons. <i>Catalysis Science and Technology</i> , 2019 , 9, 1387-1397	5.5	23
101	Characterization of solid and vapor products from thermochemical conversion of municipal solid waste woody fractions. <i>Waste Management</i> , 2019 , 84, 277-285	8.6	17
100	Application of nitrogen-based blowing agents as an additive in pyrolysis of cellulose. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019 , 137, 203-211	6	6
99	Production and characterization of H ₂ S and PO ₄ ³⁻ carbonaceous adsorbents from anaerobic digested fibers. <i>Biomass and Bioenergy</i> , 2019 , 120, 339-349	5.3	19
98	Torrefaction of Fast-Growing Colombian Wood Species. <i>Waste and Biomass Valorization</i> , 2019 , 10, 1655-1667	3.6	10
97	Thermal pretreatment of a high lignin SSF digester residue to increase its softening point. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019 , 142, 103691	6	5
96	Hydrothermal Catalytic Deoxygenation of Fatty Acid and Bio-oil with In Situ H ₂ . <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4521-4530	8.3	27
95	Thermochemical conversion of sugarcane bagasse by fast pyrolysis: High yield of levoglucosan production. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018 , 133, 246-253	6	38
94	Charcoal from anaerobically digested dairy fiber for removal of hydrogen sulfide within biogas. <i>Waste Management</i> , 2018 , 76, 374-382	8.6	14
93	Chemical Composition and Fuel Properties of Alternative Jet Fuels. <i>BioResources</i> , 2018 , 13,	1.3	29
92	Bio-Oil Hydrotreatment for Enhancing Solubility in Biodiesel and the Oxidation Stability of Resulting Blends. <i>Frontiers in Chemistry</i> , 2018 , 6, 83	5	9
91	The Alcohol-to-Jet Conversion Pathway for Drop-In Biofuels: Techno-Economic Evaluation. <i>ChemSusChem</i> , 2018 , 11, 3728-3741	8.3	45
90	Estimation of Heat Transfer Coefficients for Biomass Particles by Direct Numerical Simulation Using Microstructured Particle Models in the Laminar Regime. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1046-1053	8.3	14
89	TG-FTIR Method for the Characterization of Bio-oils in Chemical Families. <i>Energy & Fuels</i> , 2017 , 31, 1689-1701	4.1	21

88	Identification of the fractions responsible for morphology conservation in lignocellulosic pyrolysis: Visualization studies of sugarcane bagasse and its pseudo-components. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017 , 123, 307-318	6	18
87	Characterization of the Water-Soluble Fraction of Woody Biomass Pyrolysis Oils. <i>Energy & Fuels</i> , 2017 , 31, 1650-1664	4.1	56
86	Co-hydrotreatment of tire pyrolysis oil and vegetable oil for the production of transportation fuels. <i>Fuel Processing Technology</i> , 2017 , 159, 328-339	7.2	19
85	Effect of pyrolysis temperature on aromatic cluster size of cellulose char by quantitative multi cross-polarization ¹³ C NMR with long range dipolar dephasing. <i>Carbon</i> , 2017 , 116, 210-222	10.4	16
84	Single particle model for biomass pyrolysis with bubble formation dynamics inside the liquid intermediate and its contribution to aerosol formation by thermal ejection. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017 , 124, 204-218	6	18
83	Modified Pyroprobe Captive Sample Reactor: Characterization of Reactor and Cellulose Pyrolysis at Vacuum and Atmospheric Pressures. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 5185-5200	3.9	14
82	Historical Developments of Pyrolysis Reactors: A Review. <i>Energy & Fuels</i> , 2017 , 31, 5751-5775	4.1	146
81	Chemical and morphological evaluation of chars produced from primary biomass constituents: Cellulose, xylan, and lignin. <i>Biomass and Bioenergy</i> , 2017 , 104, 17-35	5.3	49
80	Effect of a Vacuum on the Fast Pyrolysis of Cellulose: Nature of Secondary Reactions in a Liquid Intermediate. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 4288-4301	3.9	22
79	Quantitative Effects of Biochar Oxidation and Pyrolysis Temperature on the Transport of Pathogenic and Nonpathogenic Escherichia coli in Biochar-Amended Sand Columns. <i>Environmental Science & Technology</i> , 2017 , 51, 5071-5081	10.3	24
78	Steam gasification of a thermally pretreated high lignin corn stover simultaneous saccharification and fermentation digester residue. <i>Energy</i> , 2017 , 119, 400-407	7.9	3
77	Effect of Pressure on Pyrolysis of Milled Wood Lignin and Acid-Washed Hybrid Poplar Wood. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 9079-9089	3.9	17
76	Unsupported transition metal-catalyzed hydrodeoxygenation of guaiacol. <i>Catalysis Communications</i> , 2017 , 101, 71-76	3.2	9
75	Evolution of Functional Groups during Pyrolysis Oil Upgrading. <i>Energy & Fuels</i> , 2017 , 31, 8300-8316	4.1	16
74	Effect of temperature and heating rate on product distribution from the pyrolysis of sugarcane bagasse in a hot plate reactor. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017 , 123, 347-363	6	36
73	Effect of acid additives on sugarcane bagasse pyrolysis: Production of high yields of sugars. <i>Bioresource Technology</i> , 2017 , 223, 74-83	11	36
72	The role of biochar porosity and surface functionality in augmenting hydrologic properties of a sandy soil. <i>Science of the Total Environment</i> , 2017 , 574, 139-147	10.2	127
71	Biofuel and Methyl Levulinate from Biomass-Derived Fractional Condensed Pyrolysis Oil and Alcohol. <i>Energy Technology</i> , 2017 , 5, 205-215	3.5	4

70	Effect of torrefaction temperature on properties of Patula pine. <i>Maderas: Ciencia Y Tecnologia</i> , 2017 , 0-0	1	5
69	Methodology for estimation of thermal ejection droplet size distribution and intensity during the pyrolysis of sugarcane bagasse and model compounds. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017 , 125, 69-82	6	8
68	Engineering levoglucosan metabolic pathway in <i>Rhodococcus jostii</i> RHA1 for lipid production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016 , 43, 1551-1560	4.2	27
67	Pyrolysis Oil Multiphase Behavior and Phase Stability: A Review. <i>Energy & Fuels</i> , 2016 , 30, 6179-6200.	4.1	86
66	Micro-explosion of liquid intermediates during the fast pyrolysis of sucrose and organosolv lignin. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016 , 122, 106-121	6	35
65	Ozonation of Pyrolytic Aqueous Phase: Changes in the Content of Phenolic Compounds and Color. <i>Chemical Engineering and Technology</i> , 2016 , 39, 1828-1834	2	3
64	Structural analysis of char by Raman spectroscopy: Improving band assignments through computational calculations from first principles. <i>Carbon</i> , 2016 , 100, 678-692	10.4	182
63	Modification of biochar surface by air oxidation: Role of pyrolysis temperature. <i>Biomass and Bioenergy</i> , 2016 , 85, 1-11	5.3	74
62	Influence of feedstock source and pyrolysis temperature on biochar bulk and surface properties. <i>Biomass and Bioenergy</i> , 2016 , 84, 37-48	5.3	258
61	Polymerization and cracking during the hydrotreatment of bio-oil and heavy fractions obtained by fractional condensation using Ru/C and NiMo/Al ₂ O ₃ catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016 , 118, 136-143	6	35
60	Interrelationship between lignin-rich dichloromethane extracts of hot water-treated wood fibers and high-density polyethylene (HDPE) in wood plastic composite (WPC) production. <i>Holzforschung</i> , 2016 , 70, 31-38	2	4
59	Hydrothermal catalytic deoxygenation of palmitic acid over nickel catalyst. <i>Fuel</i> , 2016 , 166, 302-308	7.1	73
58	Hot Water Extraction of Anaerobic Digested Dairy Fiber for Wood Plastic Composite Manufacturing. <i>BioResources</i> , 2016 , 11,	1.3	4
57	Evaluation of alternatives for the evolution of palm oil mills into biorefineries. <i>Biomass and Bioenergy</i> , 2016 , 95, 310-329	5.3	49
56	Evolution of palm oil mills into bio-refineries: Literature review on current and potential uses of residual biomass and effluents. <i>Resources, Conservation and Recycling</i> , 2016 , 110, 99-114	11.9	79
55	Improving the deconvolution and interpretation of XPS spectra from chars by ab initio calculations. <i>Carbon</i> , 2016 , 110, 155-171	10.4	168
54	Quantification of Bio-Oil Functional Groups and Evidences of the Presence of Pyrolytic Humins. <i>Energy & Fuels</i> , 2016 , 30, 6505-6524	4.1	70
53	Enhancing cation exchange capacity of chars through ozonation. <i>Biomass and Bioenergy</i> , 2015 , 81, 304-314	3.5	15

52	Impact of combined acid washing and acid impregnation on the pyrolysis of Douglas fir wood. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 114, 127-137	6	60
51	Cellulose-Lignin interactions during slow and fast pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 114, 197-207	6	71
50	Controlling the Phase Stability of Biomass Fast Pyrolysis Bio-oils. <i>Energy & Fuels</i> , 2015 , 29, 4373-4384	4.1	71
49	Selective esterification to produce microalgal biodiesel and enrich polyunsaturated fatty acid using zeolite as a catalyst. <i>RSC Advances</i> , 2015 , 5, 84894-84900	3.7	16
48	Bioslurry as a Fuel. 7: Spray Characteristics of Bio-Oil and Bioslurry via Impact and Twin-Fluid Atomizers. <i>Energy & Fuels</i> , 2015 , 29, 8058-8065	4.1	19
47	Two-step microalgal biodiesel production using acidic catalyst generated from pyrolysis-derived bio-char. <i>Energy Conversion and Management</i> , 2015 , 105, 1389-1396	10.6	74
46	Production and characterization of bio-oil and biochar from the pyrolysis of residual bacterial biomass from a polyhydroxyalkanoate production process. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 115, 268-278	6	50
45	Abundance and characteristics of lignin liquid intermediates in wood (<i>Pinus ponderosa</i> Dougl. ex Laws.) during hot water extraction. <i>Biomass and Bioenergy</i> , 2015 , 81, 117-128	5.3	15
44	Anaerobic digestion of C10-14 light oxygenated organic compounds derived from the torrefaction of lignocellulosic materials. <i>Fuel Processing Technology</i> , 2015 , 131, 150-158	7.2	16
43	Pyrolysis of Lignocellulosic Biomass 2015 , 413-442		14
42	Fast pyrolysis of biomass: A review of relevant aspects. Part I: Parametric study. <i>DYNA (Colombia)</i> , 2015 , 82, 239-248	0.6	42
41	Bed Agglomeration during the Steam Gasification of a High-Lignin Corn Stover Simultaneous Saccharification and Fermentation (SSF) Digester Residue. <i>Energy & Fuels</i> , 2015 , 29, 8035-8046	4.1	5
40	Sustainability, Business Models, and Techno-Economic Analysis of Biomass Pyrolysis Technologies 2015 , 298-342		1
39	Slow and fast pyrolysis of Douglas-fir lignin: Importance of liquid-intermediate formation on the distribution of products. <i>Biomass and Bioenergy</i> , 2014 , 66, 398-409	5.3	60
38	Quantification of strong and weak acidities in bio-oil via non-aqueous potentiometric titration. <i>Fuel</i> , 2014 , 115, 652-657	7.1	26
37	Effect of temperature during wood torrefaction on the formation of lignin liquid intermediates. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014 , 109, 222-233	6	62
36	Effect of Cellulose Crystallinity on Solid/Liquid Phase Reactions Responsible for the Formation of Carbonaceous Residues during Pyrolysis. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 2940-2955	3.9	49
35	Effect of Pyrolysis Temperature and Sulfuric Acid During the Fast Pyrolysis of Cellulose and Douglas Fir in an Atmospheric Pressure Wire Mesh Reactor. <i>Energy & Fuels</i> , 2014 , 28, 5167-5177	4.1	22

34	Py-GC/MS studies and principal component analysis to evaluate the impact of feedstock and temperature on the distribution of products during fast pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014 , 109, 140-151	6	44
33	Effect of particle size on the composition of lignin derived oligomers obtained by fast pyrolysis of beech wood. <i>Fuel</i> , 2014 , 125, 15-19	7.1	28
32	Recent developments in fast pyrolysis of ligno-cellulosic materials. <i>Current Opinion in Biotechnology</i> , 2013 , 24, 414-20	11.4	93
31	Effect of sulfuric acid on the pyrolysis of Douglas fir and hybrid poplar wood: Py-GC/MS and TG studies. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013 , 104, 117-130	6	45
30	Fermentation of levoglucosan with oleaginous yeasts for lipid production. <i>Bioresource Technology</i> , 2013 , 133, 183-9	11	88
29	Rheological properties and tunable thermoplasticity of phenolic rich fraction of pyrolysis bio-oil. <i>Biomacromolecules</i> , 2013 , 14, 1132-9	6.9	6
28	Effect of the Fast Pyrolysis Temperature on the Primary and Secondary Products of Lignin. <i>Energy & Fuels</i> , 2013 , 27, 5867-5877	4.1	65
27	Effect of cellulose crystallinity on the formation of a liquid intermediate and on product distribution during pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013 , 100, 56-66	6	150
26	Effect of sulfuric acid concentration on the yield and properties of the bio-oils obtained from the auger and fast pyrolysis of Douglas Fir. <i>Fuel</i> , 2013 , 104, 536-546	7.1	65
25	Effect of sulfuric acid addition on the yield and composition of lignin derived oligomers obtained by the auger and fast pyrolysis of Douglas-fir wood. <i>Fuel</i> , 2013 , 103, 512-523	7.1	38
24	Effect of pretreatment temperature on the yield and properties of bio-oils obtained from the auger pyrolysis of Douglas fir wood. <i>Fuel</i> , 2013 , 103, 672-682	7.1	70
23	Acid-catalysed treatment of the mallee leaf bio-oil with methanol: Effects of molecular structure of carboxylic acids and esters on their conversion. <i>Fuel Processing Technology</i> , 2013 , 106, 569-576	7.2	21
22	Secondary Vapor Phase Reactions of Lignin-Derived Oligomers Obtained by Fast Pyrolysis of Pine Wood. <i>Energy & Fuels</i> , 2013 , 27, 1428-1438	4.1	54
21	Effect of pyrolysis temperature on the yield and properties of bio-oils obtained from the auger pyrolysis of Douglas Fir wood. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012 , 93, 52-62	6	86
20	Stepwise Fast Pyrolysis of Pine Wood. <i>Energy & Fuels</i> , 2012 , 26, 7263-7273	4.1	66
19	Yeast fermentation of carboxylic acids obtained from pyrolytic aqueous phases for lipid production. <i>Bioresource Technology</i> , 2012 , 118, 177-86	11	93
18	Fractional Condensation of Biomass Pyrolysis Vapors. <i>Energy & Fuels</i> , 2011 , 25, 1817-1829	4.1	135
17	Economic tradeoff between biochar and bio-oil production via pyrolysis. <i>Biomass and Bioenergy</i> , 2011 , 35, 1851-1862	5.3	86

16	Simultaneous catalytic esterification of carboxylic acids and acetalisation of aldehydes in a fast pyrolysis bio-oil from mallee biomass. <i>Fuel</i> , 2011 , 90, 2530-2537	7.1	83
15	Mallee wood fast pyrolysis: Effects of alkali and alkaline earth metallic species on the yield and composition of bio-oil. <i>Fuel</i> , 2011 , 90, 2915-2922	7.1	242
14	Production and fuel properties of fast pyrolysis oil/bio-diesel blends. <i>Fuel Processing Technology</i> , 2010 , 91, 296-305	7.2	92
13	Separation, hydrolysis and fermentation of pyrolytic sugars to produce ethanol and lipids. <i>Bioresource Technology</i> , 2010 , 101, 9688-99	11	169
12	DSC studies to evaluate the impact of bio-oil on cold flow properties and oxidation stability of bio-diesel. <i>Bioresource Technology</i> , 2010 , 101, 6219-24	11	95
11	Effects of particle size on the fast pyrolysis of oil mallee woody biomass. <i>Fuel</i> , 2009 , 88, 1810-1817	7.1	254
10	Pyrolysis Gas Chromatography Mass Spectrometry Studies to Evaluate High-Temperature Aqueous Pretreatment as a Way to Modify the Composition of Bio-Oil from Fast Pyrolysis of Wheat Straw. <i>Energy & Fuels</i> , 2009 , 23, 6242-6252	4.1	35
9	Effects of Temperature on the Formation of Lignin-Derived Oligomers during the Fast Pyrolysis of Mallee Woody Biomass. <i>Energy & Fuels</i> , 2008 , 22, 2022-2032	4.1	190
8	Fast Pyrolysis of Oil Mallee Woody Biomass: Effect of Temperature on the Yield and Quality of Pyrolysis Products. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 1846-1854	3.9	278
7	Production and Fuel Properties of Pine Chip Bio-oil/Biodiesel Blends. <i>Energy & Fuels</i> , 2007 , 21, 2363-2372	4.1	91
6	Colloidal Properties of Bio-oils Obtained by Vacuum Pyrolysis of Softwood Bark. Characterization of Water-Soluble and Water-Insoluble Fractions. <i>Energy & Fuels</i> , 2004 , 18, 704-712	4.1	84
5	Colloidal Properties of Bio-Oils Obtained by Vacuum Pyrolysis of Softwood Bark. Storage Stability. <i>Energy & Fuels</i> , 2004 , 18, 188-201	4.1	79
4	Corrosion of Metals by Bio-Oil Obtained by Vacuum Pyrolysis of Softwood Bark Residues. An X-ray Photoelectron Spectroscopy and Auger Electron Spectroscopy Study. <i>Energy & Fuels</i> , 2004 , 18, 1291-1301	4.1	49
3	Colloidal Properties of Bio-oils Obtained by Vacuum Pyrolysis of Softwood Bark: Aging and Thermal Stability. <i>Energy & Fuels</i> , 2004 , 18, 1535-1542	4.1	60
2	Nitrogen and magnesium Co-doped biochar for phosphate adsorption. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	1
1	Nitrogen-doped char as a catalyst for wet oxidation of phenol-contaminated water. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	2