

Anne Ware

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

604
citations

687363

13
h-index

610901

24
g-index

33
all docs

33
docs citations

33
times ranked

1029
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced spectrometric methods for characterizing bio-oils to enable refineries to reduce fuel carbon intensity during co-processing. <i>Applied Spectroscopy Reviews</i> , 2022, 57, 77-87.	6.7	3
2	Abundance of Major Cell Wall Components in Natural Variants and Pedigrees of <i>Populus trichocarpa</i> . <i>Frontiers in Plant Science</i> , 2022, 13, 757810.	3.6	3
3	Predicting Catalytic Pyrolysis Aromatic Selectivity from Pyrolysis Vapor Composition Using Mass Spectra Coupled with Statistical Analysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 234-244.	6.7	3
4	Economic impact of yield and composition variation in bioenergy crops: <i>Populus trichocarpa</i> . <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 176-188.	3.7	13
5	Cover Image, Volume 15, Issue 1. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, i.	3.7	0
6	Comparison of methodologies used to determine aromatic lignin unit ratios in lignocellulosic biomass. <i>Biotechnology for Biofuels</i> , 2021, 14, 58.	6.2	18
7	Accurate determination of genotypic variance of cell wall characteristics of a <i>Populus trichocarpa</i> pedigree using high-throughput pyrolysis-molecular beam mass spectrometry. <i>Biotechnology for Biofuels</i> , 2021, 14, 59.	6.2	6
8	Importance of suberin biopolymer in plant function, contributions to soil organic carbon and in the production of bio-derived energy and materials. <i>Biotechnology for Biofuels</i> , 2021, 14, 75.	6.2	19
9	Machine Learning-Based Classification of Lignocellulosic Biomass from Pyrolysis-Molecular Beam Mass Spectrometry Data. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4107.	4.1	13
10	Genetic Modification of KNAT7 Transcription Factor Expression Enhances Saccharification and Reduces Recalcitrance of Woody Biomass in Poplars. <i>Frontiers in Plant Science</i> , 2021, 12, 762067.	3.6	4
11	Biomass Recalcitrance in Willow Under Two Biological Conversion Paradigms: Enzymatic Hydrolysis and Anaerobic Digestion. <i>Bioenergy Research</i> , 2020, 13, 260-270.	3.9	10
12	Genome-Wide Association Study of Wood Anatomical and Morphological Traits in <i>Populus trichocarpa</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 545748.	3.6	21
13	Electrocatalytic CO ₂ Reduction over Cu ₃ P Nanoparticles Generated via a Molecular Precursor Route. <i>ACS Applied Energy Materials</i> , 2020, 3, 10435-10446.	5.1	16
14	Selective One-Dimensional ¹³ C Spin-Diffusion Solid-State Nuclear Magnetic Resonance Methods to Probe Spatial Arrangements in Biopolymers Including Plant Cell Walls, Peptides, and Spider Silk. <i>Journal of Physical Chemistry B</i> , 2020, 124, 9870-9883.	2.6	11
15	Molecular weight distribution of raw and catalytic fast pyrolysis oils: comparison of analytical methodologies. <i>RSC Advances</i> , 2020, 10, 3789-3795.	3.6	7
16	Genetic variation of biomass recalcitrance in a natural <i>Salix viminalis</i> (L.) population. <i>Biotechnology for Biofuels</i> , 2019, 12, 135.	6.2	17
17	Characterization of catalytic fast pyrolysis oils: The importance of solvent selection for analytical method development. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 132, 190-199.	5.5	10
18	High Throughput Screening Technologies in Biomass Characterization. <i>Frontiers in Energy Research</i> , 2018, 6, .	2.3	28

#	ARTICLE	IF	CITATIONS
19	Methods and Challenges in the Determination of Molecular Weight Metrics of Bio-oils. Energy & Fuels, 2018, 32, 8905-8920.	5.1	32
20	Estimation of terpene content in loblolly pine biomass using a hybrid fast-GC and pyrolysis-molecular beam mass spectrometry method. Journal of Analytical and Applied Pyrolysis, 2017, 124, 343-348.	5.5	11
21	Characterization and enzymatic hydrolysis of wood from transgenic Pinus taeda engineered with syringyl lignin or reduced lignin content. Cellulose, 2017, 24, 1901-1914.	4.9	16
22	The effect of coumaryl alcohol incorporation on the structure and composition of lignin dehydrogenation polymers. Biotechnology for Biofuels, 2017, 10, 281.	6.2	19
23	A thioacidolysis method tailored for higher-throughput quantitative analysis of lignin monomers. Biotechnology Journal, 2016, 11, 1268-1273.	3.5	34
24	Characterization of Endocarp Biomass and Extracted Lignin Using Pyrolysis and Spectroscopic Methods. Bioenergy Research, 2015, 8, 350-368.	3.9	20
25	Catalytic deoxygenation of triglycerides and fatty acids to hydrocarbons over Ni-Al layered double hydroxide. Catalysis Today, 2014, 237, 136-144.	4.4	76
26	Microalgae as a renewable fuel source: Fast pyrolysis of Scenedesmus. Renewable Energy, 2013, 60, 625-632.	8.9	146
27	Pyrolysis-GC/MS of sinapyl and coniferyl alcohol. Journal of Analytical and Applied Pyrolysis, 2013, 99, 161-169.	5.5	36