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List of PR Articles by Year
in descending order

31 PR articles	2,390 PR citations	287960 21 PR h-index	382776 31 g-index
37 documents	2674 doc citations	327767 21 h-index	3039 citing authors

#	Article	IF	PR Citations
1	Role of Deep Eutectic Solvent Precursors as Hydrotropes: Unveiling Synergism/Antagonism for Enhanced Kraft Lignin Dissolution. ACS Sustainable Chemistry and Engineering, 2024, 12, 8930-8940.	6.9	15
2	Delignification of Olive Tree Pruning Using a Ternary Eutectic Solvent for Enhanced Saccharification and Isolation of a Unique Lignin Fraction. ACS Sustainable Chemistry and Engineering, 2024, 12, 15012-15023.	6.9	6
3	Enhanced biomass processing towards acetone-butanol-ethanol fermentation using a ternary deep eutectic solvent. Renewable Energy, 2023, 219, 119488.	9.2	16
4	Selective Separation of Vanillic Acid from Other Lignin-Derived Monomers Using Centrifugal Partition Chromatography: The Effect of pH. ACS Sustainable Chemistry and Engineering, 2022, 10, 4913-4921.	6.9	17
5	Solvent effects on the wood delignification with sustainable solvents. International Journal of Biological Macromolecules, 2022, 211, 490-498.	8.2	14
6	Conversion of Organosolv and Kraft lignins into value-added compounds assisted by an acidic deep eutectic solvent. Sustainable Energy and Fuels, 2022, 6, 4800-4815.	3.9	24
7	Wood delignification with aqueous solutions of deep eutectic solvents. Industrial Crops and Products, 2021, 160, 113128.	5.9	75
8	Unveiling Modifications of Biomass Polysaccharides during Thermal Treatment in Cholinium Chlorideâ€‰:â€‰Lactic Acid Deep Eutectic Solvent. ChemSusChem, 2021, 14, 686-698.	6.2	51
9	Biomass delignification with green solvents towards lignin valorisation: ionic liquids vs deep eutectic solvents. Acta Innovations, 2021, , 64-78.	1.0	30
10	Uncovering the potentialities of protic ionic liquids based on alkanolammonium and carboxylate ions and their aqueous solutions as non-derivatizing solvents of Kraft lignin. Industrial Crops and Products, 2020, 143, 111866.	5.9	21
11	Investigation of Kraft Lignin Solubility in Protic Ionic Liquids and Their Aqueous Solutions. Industrial & Engineering Chemistry Research, 2020, 59, 18193-18202.	3.9	27
12	Use of Ionic Liquids and Deep Eutectic Solvents in Polysaccharides Dissolution and Extraction Processes towards Sustainable Biomass Valorization. Molecules, 2020, 25, 3652.	4.3	192
13	Kraft Lignin Solubility and Its Chemical Modification in Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2020, 8, 18577-18589.	6.9	92
14	Novel insights into biomass delignification with acidic deep eutectic solvents: a mechanistic study of Î²-O-4 ether bond cleavage and the role of the halide counterion in the catalytic performance. Green Chemistry, 2020, 22, 2474-2487.	9.1	142
15	Fast and Efficient Method to Evaluate the Potential of Eutectic Solvents to Dissolve Lignocellulosic Components. Sustainability, 2020, 12, 3358.	3.1	13
16	Separation and Recovery of a Hemicelluloseâ€Derived Sugar Produced from the Hydrolysis of Biomass by an Acidic Ionic Liquid. ChemSusChem, 2018, 11, 1099-1107.	6.2	30
17	Biorefinery approach for lignocellulosic biomass valorisation with an acidic ionic liquid. Green Chemistry, 2018, 20, 4043-4057.	9.1	123
18	Extraction and Purification of Phenolic Compounds from Lignocellulosic Biomass Assisted by Ionic Liquid, Polymeric Resins, and Supercritical CO₂. ACS Sustainable Chemistry and Engineering, 2016, 4, 3357-3367.	6.9	89

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19	Pre-treatment and extraction techniques for recovery of added value compounds from wastes throughout the agri-food chain. Green Chemistry, 2016, 18, 6160-6204.	9.1	162
20	Current Pretreatment Technologies for the Development of Cellulosic Ethanol and Biorefineries. ChemSusChem, 2015, 8, 3366-3390.	6.2	358
21	Relevance of the acidic 1-butyl-3-methylimidazolium hydrogen sulphate ionic liquid in the selective catalysis of the biomass hemicellulose fraction. RSC Advances, 2015, 5, 47153-47164.	4.4	82
22	Acidic Ionic Liquids as Sustainable Approach of Cellulose and Lignocellulosic Biomass Conversion without Additional Catalysts. ChemSusChem, 2015, 8, 947-965.	6.2	200
23	Manufacture of furfural in biphasic media made up of an ionic liquid and a co-solvent. Industrial Crops and Products, 2015, 77, 163-166.	5.9	39
24	Simple and Efficient Furfural Production from Xylose in Media Containing 1-Butyl-3-Methylimidazolium Hydrogen Sulfate. Industrial & Engineering Chemistry Research, 2015, 54, 8368-8373.	3.9	77
25	Carbon Dioxide in Biomass Processing: Contributions to the Green Biorefinery Concept. Chemical Reviews, 2015, 115, 3-27.	52.7	292
26	The phase equilibrium phenomenon in model hydrogenation of oleic acid. Monatshefte FÃ¼r Chemie, 2014, 145, 1555-1560.	1.7	7
27	Cattle fat valorisation through biofuel production by hydrogenation in supercritical carbon dioxide. RSC Advances, 2014, 4, 32081.	4.4	14
28	Pre-treatment of lignocellulosic biomass using ionic liquids: Wheat straw fractionation. Bioresource Technology, 2013, 142, 198-208.	9.7	281
29	Pretreatment and Fractionation of Wheat Straw Using Various Ionic Liquids. Journal of Agricultural and Food Chemistry, 2013, 61, 7874-7882.	6.0	94
30	Novel pre-treatment and fractionation method for lignocellulosic biomass using ionic liquids. RSC Advances, 2013, 3, 16040.	4.4	122
31	Ionic Liquidsâ€™ Cation and Anion Influence on Aromatic Amine Solubility. Industrial & Engineering Chemistry Research, 2013, 52, 14722-14726.	3.9	14