

# Joan G Lynam

## List of Publications by Year in descending order

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34  
papers

2,702  
citations

304368

22  
h-index

395343

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2727  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermal carbonization: Fate of inorganics. <i>Biomass and Bioenergy</i> , 2013, 49, 86-94.	2.9	381
2	Hydrothermal Carbonization of Biomass for Energy and Crop Production. <i>Applied Bioenergy</i> , 2014, 1, .	4.3	259
3	Deep eutectic solventsâ€™ ability to solubilize lignin, cellulose, and hemicellulose; thermal stability; and density. <i>Bioresource Technology</i> , 2017, 238, 684-689.	4.8	258
4	Acetic acid and lithium chloride effects on hydrothermal carbonization of lignocellulosic biomass. <i>Bioresource Technology</i> , 2011, 102, 6192-6199.	4.8	208
5	Hydrothermal carbonization of loblolly pine: reaction chemistry and water balance. <i>Biomass Conversion and Biorefinery</i> , 2014, 4, 311-321.	2.9	183
6	Reaction kinetics of hydrothermal carbonization of loblolly pine. <i>Bioresource Technology</i> , 2013, 139, 161-169.	4.8	171
7	Pelletization of biochar from hydrothermally carbonized wood. <i>Environmental Progress and Sustainable Energy</i> , 2012, 31, 225-234.	1.3	143
8	Catalytic conversion of hemicellulosic biomass to lactic acid in pH neutral aqueous phase media. <i>Applied Catalysis B: Environmental</i> , 2015, 162, 149-157.	10.8	122
9	Engineered pellets from dry torrefied and HTC biochar blends. <i>Biomass and Bioenergy</i> , 2014, 63, 229-238.	2.9	121
10	Hydrothermal carbonization of various lignocellulosic biomass. <i>Biomass Conversion and Biorefinery</i> , 2015, 5, 173-181.	2.9	104
11	Effect of salt addition on hydrothermal carbonization of lignocellulosic biomass. <i>Fuel</i> , 2012, 99, 271-273.	3.4	85
12	Sustainable lignin to enhance asphalt binder oxidative aging properties and mix properties. <i>Journal of Cleaner Production</i> , 2019, 217, 456-468.	4.6	80
13	Pretreatment of rice hulls by ionic liquid dissolution. <i>Bioresource Technology</i> , 2012, 114, 629-636.	4.8	72
14	Theoretical and experimental study of choline chloride-carboxylic acid deep eutectic solvents and their hydrogen bonds. <i>Journal of Molecular Structure</i> , 2020, 1222, 128849.	1.8	69
15	Roughness and wettability of biofilm carriers: A systematic review. <i>Environmental Technology and Innovation</i> , 2021, 21, 101233.	3.0	61
16	Pretreatment of waste biomass in deep eutectic solvents: Conductive heating versus microwave heating. <i>Industrial Crops and Products</i> , 2019, 142, 111865.	2.5	55
17	Ionic liquid and water separation by membrane distillation. <i>Chemical Engineering Journal</i> , 2016, 288, 557-561.	6.6	48
18	Effects of water recycling in hydrothermal carbonization of loblolly pine. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 1309-1315.	1.3	44

#	ARTICLE	IF	CITATIONS
19	Embodied energy of rice husk ash for sustainable cement production. <i>Case Studies in Chemical and Environmental Engineering</i> , 2020, 2, 100004.	2.9	34
20	Sugarcane bagasse and rice husk ash pozzolans: Cement strength and corrosion effects when using saltwater. <i>Current Research in Green and Sustainable Chemistry</i> , 2020, 1-2, 7-13.	2.9	28
21	Glycerol as an ionic liquid co-solvent for pretreatment of rice hulls to enhance glucose and xylose yield. <i>Bioresource Technology</i> , 2014, 166, 471-478.	4.8	25
22	Hydrothermal Liquefaction of Loblolly Pine: Effects of Various Wastes on Produced Biocrude. <i>ACS Omega</i> , 2018, 3, 3051-3059.	1.6	24
23	Corn Stover Pretreatment by Ionic Liquid and Glycerol Mixtures with Their Density, Viscosity, and Thermogravimetric Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3786-3793.	3.2	20
24	Hydrothermal Carbonization of Lignocellulosic Biomass. <i>Green Chemistry and Sustainable Technology</i> , 2014, , 275-311.	0.4	18
25	Lignin extraction from waste biomass with deep eutectic solvents: Molecular weight and heating value. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 32, 101949.	1.5	18
26	Secondary Agriculture Residues Pretreatment Using Deep Eutectic Solvents. <i>Waste and Biomass Valorization</i> , 2021, 12, 2259-2269.	1.8	17
27	Use of Biomass Ash for Development of Engineered Cementitious Binders. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13122-13130.	3.2	14
28	Synergistic utilization of diverse industrial wastes for reutilization in steel production and their geopolymerization potential. <i>Waste Management</i> , 2021, 126, 728-736.	3.7	14
29	Hydrothermal carbonization of coffee silverskins. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 36, 102145.	1.5	14
30	Loblolly pine pretreatment by ionic liquid-glycerol mixtures. <i>Biomass Conversion and Biorefinery</i> , 2016, 6, 247-260.	2.9	6
31	Pretreatment of Loblolly Pine Tree Needles Using Deep Eutectic Solvents. <i>Biomass</i> , 2021, 1, 1-10.	1.2	3
32	Deep eutectic solvent extracted lignin from waste biomass: Effects as a plasticizer in cement paste. <i>Case Studies in Construction Materials</i> , 2020, 13, e00460.	0.8	2
33	Oil spill cleanup using industrial and agricultural waste-based magnetic silica sorbent material: a green approach. <i>Green Chemistry Letters and Reviews</i> , 2021, 14, 634-641.	2.1	1
34	Ionic Liquids Separating Rubber Latex from Guayule. <i>Materials</i> , 2021, 14, 4255.	1.3	0