

Dyoni M De Oliveira

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,166
citations

623699

14
h-index

642715

23
g-index

26
all docs

26
docs citations

26
times ranked

1683
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferulic acid: a key component in grass lignocellulose recalcitrance to hydrolysis. <i>Plant Biotechnology Journal</i> , 2015, 13, 1224-1232.	8.3	210
2	The Acetyl Bromide Method Is Faster, Simpler and Presents Best Recovery of Lignin in Different Herbaceous Tissues than Klason and Thioglycolic Acid Methods. <i>PLoS ONE</i> , 2014, 9, e110000.	2.5	205
3	Biosynthesis and metabolic actions of simple phenolic acids in plants. <i>Phytochemistry Reviews</i> , 2020, 19, 865-906.	6.5	182
4	Feruloyl esterases: Biocatalysts to overcome biomass recalcitrance and for the production of bioactive compounds. <i>Bioresource Technology</i> , 2019, 278, 408-423.	9.6	90
5	Cell wall remodeling under salt stress: Insights into changes in polysaccharides, feruloylation, lignification, and phenolic metabolism in maize. <i>Plant, Cell and Environment</i> , 2020, 43, 2172-2191.	5.7	79
6	Increased Gibberellins and Light Levels Promotes Cell Wall Thickness and Enhance Lignin Deposition in Xylem Fibers. <i>Frontiers in Plant Science</i> , 2018, 9, 1391.	3.6	59
7	Plant cell wall composition and enzymatic deconstruction. <i>AIMS Bioengineering</i> , 2018, 5, 63-77.	1.1	56
8	Hydrogen peroxide-acetic acid pretreatment increases the saccharification and enzyme adsorption on lignocellulose. <i>Industrial Crops and Products</i> , 2019, 140, 111657.	5.2	47
9	Lignin plays a key role in determining biomass recalcitrance in forage grasses. <i>Renewable Energy</i> , 2020, 147, 2206-2217.	8.9	38
10	Cloning, heterologous expression and biochemical characterization of a non-specific endoglucanase family 12 from <i>Aspergillus terreus</i> NIH2624. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 395-403.	2.3	32
11	Inhibition of <i>Zea mays</i> coniferyl aldehyde dehydrogenase by daidzin: A potential approach for the investigation of lignocellulose recalcitrance. <i>Process Biochemistry</i> , 2020, 90, 131-138.	3.7	30
12	Suppression of a BAHD acyltransferase decreases <i>p</i> -coumaroyl on arabinoxylan and improves biomass digestibility in the model grass <i>Setaria viridis</i> . <i>Plant Journal</i> , 2021, 105, 136-150.	5.7	27
13	Exogenous application of rosmarinic acid improves saccharification without affecting growth and lignification of maize. <i>Plant Physiology and Biochemistry</i> , 2019, 142, 275-282.	5.8	16
14	Design of experiments driven optimization of alkaline pretreatment and saccharification for sugarcane bagasse. <i>Bioresource Technology</i> , 2021, 321, 124499.	9.6	16
15	Designing xylan for improved sustainable biofuel production. <i>Plant Biotechnology Journal</i> , 2019, 17, 2225-2227.	8.3	15
16	Aluminum oxide nanoparticles affect the cell wall structure and lignin composition slightly altering the soybean growth. <i>Plant Physiology and Biochemistry</i> , 2021, 159, 335-346.	5.8	14
17	Modulation of cellulase activity by lignin-related compounds. <i>Bioresource Technology Reports</i> , 2020, 10, 100390.	2.7	11
18	Feruloyl esterase from <i>Aspergillus clavatus</i> improves xylan hydrolysis of sugarcane bagasse. <i>AIMS Bioengineering</i> , 2016, 4, 1-11.	1.1	9

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19	Lignin-induced growth inhibition in soybean exposed to iron oxide nanoparticles. <i>Chemosphere</i> , 2018, 211, 226-234.	8.2	8
20	The known unknowns in lignin biosynthesis and its engineering to improve lignocellulosic saccharification efficiency. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 2497-2515.	4.6	8
21	Feruloyl esterase activity and its role in regulating the feruloylation of maize cell walls. <i>Plant Physiology and Biochemistry</i> , 2020, 156, 49-54.	5.8	6
22	Ten Simple Rules for Developing a Successful Research Proposal in Brazil. <i>PLoS Computational Biology</i> , 2017, 13, e1005289.	3.2	3
23	Phenolic Compounds in Plants: Implications for Bioenergy. , 2017, , 39-52.		2
24	Inhibiting triclin biosynthesis improves maize lignocellulose saccharification. <i>Plant Physiology and Biochemistry</i> , 2022, 178, 12-19.	5.8	2
25	Sustainable production of succinic acid and 3-hydroxypropionic acid from renewable feedstocks. , 2022, , 367-386.		1