

Rebecca A Smith

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,189
citations

687220

13
h-index

794469

19
g-index

24
all docs

24
docs citations

24
times ranked

1632
citing authors

#	ARTICLE	IF	CITATIONS
1	Laccases Direct Lignification in the Discrete Secondary Cell Wall Domains of Protoxylem. <i>Plant Physiology</i> , 2014, 166, 798-807.	2.3	203
2	Xylem tissue specification, patterning, and differentiation mechanisms. <i>Journal of Experimental Botany</i> , 2013, 64, 11-31.	2.4	197
3	Monolignol ferulate conjugates are naturally incorporated into plant lignins. <i>Science Advances</i> , 2016, 2, e1600393.	4.7	147
4	Neighboring Parenchyma Cells Contribute to <i>Arabidopsis</i> Xylem Lignification, while Lignification of Interfascicular Fibers Is Cell Autonomous. <i>Plant Cell</i> , 2013, 25, 3988-3999.	3.1	138
5	Silencing <i>CHALCONE SYNTHASE</i> in Maize Impedes the Incorporation of Tricin into Lignin and Increases Lignin Content. <i>Plant Physiology</i> , 2017, 173, 998-1016.	2.3	84
6	The transport of monomers during lignification in plants: anything goes but how?. <i>Current Opinion in Biotechnology</i> , 2019, 56, 69-74.	3.3	66
7	Assessing the Viability of Recovery of Hydroxycinnamic Acids from Lignocellulosic Biorefinery Alkaline Pretreatment Waste Streams. <i>ChemSusChem</i> , 2020, 13, 2012-2024.	3.6	54
8	Engineering monolignol p-coumarate conjugates into Poplar and <i>Arabidopsis</i> lignins. <i>Plant Physiology</i> , 2015, 169, pp.00815.2015.	2.3	47
9	Defining the Diverse Cell Populations Contributing to Lignification in <i>Arabidopsis</i> Stems. <i>Plant Physiology</i> , 2017, 174, 1028-1036.	2.3	45
10	Monolignol Benzoates Incorporate into the Lignin of Transgenic <i>Populus trichocarpa</i> Depleted in C3H and C4H. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3644-3654.	3.2	39
11	Highly Decorated Lignins in Leaf Tissues of the Canary Island Date Palm <i>Phoenix canariensis</i> . <i>Plant Physiology</i> , 2017, 175, 1058-1067.	2.3	34
12	Knockout of the lignin pathway gene <i>BnF5H</i> decreases the S/G lignin compositional ratio and improves <i>Sclerotinia sclerotiorum</i> resistance in <i>Brassica napus</i> . <i>Plant, Cell and Environment</i> , 2022, 45, 248-261.	2.8	33
13	Suppression of CINNAMOYL-CoA REDUCTASE increases the level of monolignol ferulates incorporated into maize lignins. <i>Biotechnology for Biofuels</i> , 2017, 10, 109.	6.2	32
14	<i>HBMT1</i> , a BAHD-family monolignol acyltransferase, mediates lignin acylation in poplar. <i>Plant Physiology</i> , 2022, 188, 1014-1027.	2.3	18
15	Cell Wall Composition and Biomass Recalcitrance Differences Within a Genotypically Diverse Set of <i>Brachypodium distachyon</i> Inbred Lines. <i>Frontiers in Plant Science</i> , 2016, 7, 708.	1.7	13
16	Eudicot Nutshells: Cell-Wall Composition and Biofuel Feedstock Potential. <i>Energy & Fuels</i> , 2020, 34, 16274-16283.	2.5	12
17	Manipulation of Lignin Monomer Composition Combined with the Introduction of Monolignol Conjugate Biosynthesis Leads to Synergistic Changes in Lignin Structure. <i>Plant and Cell Physiology</i> , 2022, 63, 744-754.	1.5	12
18	Identification and characterization of a set of monocot BAHD monolignol transferases. <i>Plant Physiology</i> , 2022, 189, 37-48.	2.3	10

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19	Stacking AsFMT overexpression with BdPMT loss of function enhances monolignol ferulate production in <i>Brachypodium distachyon</i> . <i>Plant Biotechnology Journal</i> , 2021, 19, 1878-1886.	4.1	5
20	Assessing the Viability of Recovery of Hydroxycinnamic Acids from Lignocellulosic Biorefinery Alkaline Pretreatment Waste Streams. <i>ChemSusChem</i> , 2020, 13, 1922-1922.	3.6	0