

# Deborah Goffner

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2985314/publications.pdf>

Version: 2024-02-01

52  
papers

4,320  
citations

126907

33  
h-index

168389

53  
g-index

55  
all docs

55  
docs citations

55  
times ranked

5351  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Disease resistance or growth: the role of plant hormones in balancing immune responses and fitness costs. <i>Frontiers in Plant Science</i> , 2013, 4, 155.  | 3.6  | 505       |
| 2  | Lignins and lignocellulosics: a better control of synthesis for new and improved uses. <i>Trends in Plant Science</i> , 2003, 8, 576-581.  | 8.8  | 294       |
| 3  | Cinnamoyl CoA reductase, the first committed enzyme of the lignin branch biosynthetic pathway: cloning, expression and phylogenetic relationships. <i>Plant Journal</i> , 1997, 11, 429-441.   | 5.7  | 271       |
| 4  | Laccase Down-Regulation Causes Alterations in Phenolic Metabolism and Cell Wall Structure in Poplar. <i>Plant Physiology</i> , 2002, 129, 145-155.   | 4.8  | 250       |
| 5  | Arabidopsis WAT1 is a vacuolar auxin transport facilitator required for auxin homeostasis. <i>Nature Communications</i> , 2013, 4, 2625.   | 12.8 | 249       |
| 6  | Walls are thin1 (WAT1), an Arabidopsis homolog of Medicago truncatula NODULIN21, is a tonoplast-localized protein required for secondary wall formation in fibers. <i>Plant Journal</i> , 2010, 63, 469-483.   | 5.7  | 201       |
| 7  | Down-Regulation of Caffeic Acid O-Methyltransferase in Maize Revisited Using a Transgenic Approach. <i>Plant Physiology</i> , 2002, 130, 1675-1685.  | 4.8  | 160       |
| 8  | Non-Cell-Autonomous Postmortem Lignification of Tracheary Elements in <i>Zinnia elegans</i> . <i>Plant Cell</i> , 2013, 25, 1314-1328.   | 6.6  | 158       |
| 9  | Arabidopsis <i>wat1</i> ( <i>walls are thin1</i> )-mediated resistance to the bacterial vascular pathogen, <i>Ralstonia solanacearum</i> , is accompanied by cross-regulation of salicylic acid and tryptophan metabolism. <i>Plant Journal</i> , 2013, 73, 225-239. | 5.7  | 154       |
| 10 | Biochemical characterization, molecular cloning and expression of laccases- <i>laccase</i> divergent gene family in poplar. <i>FEBS Journal</i> , 1999, 259, 485-495.  | 0.2  | 152       |
| 11 | Post mortem function of <i>MC9</i> in xylem vessel elements. <i>New Phytologist</i> , 2013, 200, 498-510.  | 7.3  | 117       |
| 12 | Genetic variation and breeding strategies for improved cell wall digestibility in annual forage crops. A review. <i>Animal Research</i> , 2003, 52, 193-228.   | 0.6  | 111       |
| 13 | Identification of novel transcription factors regulating secondary cell wall formation in Arabidopsis. <i>Frontiers in Plant Science</i> , 2013, 4, 189.   | 3.6  | 106       |
| 14 | Characterization of a cinnamoyl-CoA reductase 1 (CCR1) mutant in maize: effects on lignification, fibre development, and global gene expression. <i>Journal of Experimental Botany</i> , 2011, 62, 3837-3848.  | 4.8  | 95        |
| 15 | MAIZEWALL. Database and Developmental Gene Expression Profiling of Cell Wall Biosynthesis and Assembly in Maize. <i>Plant Physiology</i> , 2007, 143, 339-363.   | 4.8  | 94        |
| 16 | Novel Markers of Xylogenesis in <i>Zinnia</i> Are Differentially Regulated by Auxin and Cytokinin. <i>Plant Physiology</i> , 2005, 139, 1821-1839.   | 4.8  | 89        |
| 17 | <i>Arabidopsis</i> cell wall composition determines disease resistance specificity and fitness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .  | 7.1  | 88        |
| 18 | Lignin biosynthesis in transgenic Norway spruce plants harboring an antisense construct for cinnamoyl CoA reductase (CCR). <i>Transgenic Research</i> , 2008, 17, 379-392.   | 2.4  | 86        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Lignin genetic engineering revisited. <i>Plant Science</i> , 1999, 145, 51-65.   | 3.6 | 80        |
| 20 | Differential expression of phenylpropanoid and related genes in brown-midrib bm1, bm2, bm3, and bm4 young near-isogenic maize plants. <i>Planta</i> , 2007, 226, 235-250.  | 3.2 | 78        |
| 21 | The Great Green Wall for the Sahara and the Sahel Initiative as an opportunity to enhance resilience in Sahelian landscapes and livelihoods. <i>Regional Environmental Change</i> , 2019, 19, 1417-1428.                                     | 2.9 | 76        |
| 22 | Deciphering the route of <i>Ralstonia solanacearum</i> colonization in <i>Arabidopsis thaliana</i> roots during a compatible interaction: focus at the plant cell wall. <i>Planta</i> , 2012, 236, 1419-1431.                                | 3.2 | 69        |
| 23 | Cell Wall Modifications in <i>Arabidopsis</i> Plants with Altered $\beta$ -Arabinofuranosidase Activity. <i>Plant Physiology</i> , 2008, 147, 63-77.   | 4.8 | 63        |
| 24 | A novel aromatic alcohol dehydrogenase in higher plants: molecular cloning and expression. <i>Plant Molecular Biology</i> , 1998, 36, 755-765.   | 3.9 | 62        |
| 25 | Purification and Characterization of Cinnamyl Alcohol Dehydrogenase from Tobacco Stems. <i>Plant Physiology</i> , 1992, 98, 12-16.   | 4.8 | 53        |
| 26 | Expression of cell wall related genes in basal and ear internodes of silking brown-midrib-3, caffeic acid O-methyltransferase (COMT) down-regulated, and normal maize plants. <i>BMC Plant Biology</i> , 2008, 8, 71.                        | 3.6 | 51        |
| 27 | A molecular model for cinnamyl alcohol dehydrogenase, a plant aromatic alcohol dehydrogenase involved in lignification. <i>BBA - Proteins and Proteomics</i> , 1993, 1202, 61-69.  | 2.1 | 48        |
| 28 | Galactoglucomannans Increase Cell Population Density and Alter the Protoxylem/Metaxylem Tracheary Element Ratio in Xylogenic Cultures of <i>Zinnia</i> . <i>Plant Physiology</i> , 2006, 142, 696-709.                                       | 4.8 | 47        |
| 29 | <i>Arabidopsis</i> Response Regulator 6 (ARR6) Modulates Plant Cell-Wall Composition and Disease Resistance. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 767-780.  | 2.6 | 46        |
| 30 | Molecular changes associated with the setting up of secondary growth in aspen. <i>Journal of Experimental Botany</i> , 2005, 56, 2211-2227.  | 4.8 | 43        |
| 31 | Metabolite Profiling Reveals a Role for Atypical Cinnamyl Alcohol Dehydrogenase CAD1 in the Synthesis of Coniferyl Alcohol in Tobacco Xylem. <i>Plant Molecular Biology</i> , 2005, 59, 753-769.   | 3.9 | 42        |
| 32 | hca: an <i>Arabidopsis</i> mutant exhibiting unusual cambial activity and altered vascular patterning. <i>Plant Journal</i> , 2005, 44, 271-289.   | 5.7 | 41        |
| 33 | Pirin2 stabilizes cysteine protease XCP2 and increases susceptibility to the vascular pathogen <i>Ralstonia solanacearum</i> in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2014, 79, 1009-1019.   | 5.7 | 41        |
| 34 | Multiple gene detection by in situ RT-PCR in isolated plant cells and tissues. <i>Plant Journal</i> , 2004, 39, 947-959.   | 5.7 | 31        |
| 35 | Remote sensing monitoring of land restoration interventions in semi-arid environments with a before-after control-impact statistical design. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017, 59, 42-52. | 2.8 | 28        |
| 36 | Genetic and genomic approaches for improving biofuel production from maize. <i>Euphytica</i> , 2009, 170, 183-202.   | 1.2 | 24        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Biodiversity field trials to inform reforestation and natural resource management strategies along the African Great Green Wall in Senegal. <i>New Forests</i> , 2018, 49, 341-362.                        | 1.7 | 23        |
| 38 | Variation in lignin and cell wall digestibility in caffeic acid O-methyltransferase down-regulated maize half-sib progenies in field experiments. <i>Molecular Breeding</i> , 2006, 18, 253-261.           | 2.1 | 22        |
| 39 | Effects of abscisic acid and osmotica on helianthinin gene expression in sunflower cotyledons in vitro. <i>Plant Science</i> , 1990, 66, 211-219.  | 3.6 | 20        |
| 40 | <i>Zinnia elegans</i> : the missing link from in vitro tracheary elements to xylem. <i>Physiologia Plantarum</i> , 2003, 119, 463-468.   | 5.2 | 20        |
| 41 | High-throughput microanalysis of large lignocellulosic sample sets by pyrolysis-gas chromatography/mass spectrometry. <i>Physiologia Plantarum</i> , 2016, 156, 127-138.                                   | 5.2 | 17        |
| 42 | Transient transformation and RNA silencing in <i>Zinnia</i> tracheary element differentiating cell cultures. <i>Plant Journal</i> , 2008, 53, 864-875.   | 5.7 | 16        |
| 43 | Light-regulated compensation of <i>wat1</i> (walls are thin1) growth and secondary cell wall phenotypes is auxin-independent. <i>Plant Signaling and Behavior</i> , 2010, 5, 1302-1304.                    | 2.4 | 15        |
| 44 | Identification of Specific Laccase Isoforms Capable of Polymerizing Monolignols by an <i>in-Gel</i> Procedure. <i>Analytical Biochemistry</i> , 1996, 242, 158-161.  | 2.4 | 14        |
| 45 | In vitro characterization of root extracellular trap and exudates of three Sahelian woody plant species. <i>Planta</i> , 2020, 251, 19.  | 3.2 | 14        |
| 46 | WAT1 (WALLS ARE THIN1) defines a novel auxin transporter in plants and integrates auxin signaling in secondary wall formation in <i>Arabidopsis</i> fibers. <i>BMC Proceedings</i> , 2011, 5, O24.         | 1.6 | 11        |
| 47 | Reforestation and the state of health of populations in Tessekere, Senegal. <i>Regional Environmental Change</i> , 2019, 19, 1643-1651.  | 2.9 | 9         |
| 48 | Galactoglucomannan oligosaccharides are assumed to affect tracheary element formation via interaction with auxin in <i>Zinnia</i> xylogenetic cell culture. <i>Plant Cell Reports</i> , 2013, 32, 479-487. | 5.6 | 7         |
| 49 | Coming back to a Commons approach to construct the Great Green Wall in Senegal. <i>Land Use Policy</i> , 2022, 115, 106000.  | 5.6 | 5         |
| 50 | Xylem Formation and Lignification in Trees and Model Species. <i>Progress in Biotechnology</i> , 2001, , 11-18.  | 0.2 | 2         |
| 51 | Unpacking Decades of Multi-Scale Events and Environment-Based Development in the Senegalese Sahel: Lessons and Perspectives for the Future. <i>Land</i> , 2021, 10, 755.                                   | 2.9 | 2         |
| 52 | Remote sensing monitoring of land restoration interventions in semi-arid environments using a before-after control-impact statistical design. , 2017, , .  |     | 0         |