

Angela L Ziebell

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,672
citations

430874

18
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

2266
citing authors

#	ARTICLE	IF	CITATIONS
1	Overexpression of a BAHD Acyltransferase, <i>OsAt10</i> , Alters Rice Cell Wall Hydroxycinnamic Acid Content and Saccharification. <i>Plant Physiology</i> , 2013, 161, 1615-1633.	4.8	164
2	Copper(I) dicyanamide coordination polymers: ladders, sheets, layers, diamond-like networks and unusual interpenetration. <i>Dalton Transactions RSC</i> , 2000, , 3829-3836.	2.3	136
3	Sugar release and growth of biofuel crops are improved by downregulation of pectin biosynthesis. <i>Nature Biotechnology</i> , 2018, 36, 249-257.	17.5	136
4	Downregulation of GAUT12 in <i>Populus deltoides</i> by RNA silencing results in reduced recalcitrance, increased growth and reduced xylan and pectin in a woody biofuel feedstock. <i>Biotechnology for Biofuels</i> , 2015, 8, 41.	6.2	133
5	Enhanced characteristics of genetically modified switchgrass (<i>Panicum virgatum</i> L.) for high biofuel production. <i>Biotechnology for Biofuels</i> , 2013, 6, 71.	6.2	118
6	Identification and overexpression of gibberellin 2-oxidase (<i>GA2ox</i>) in switchgrass (<i>Panicum virgatum</i> L.) for improved plant architecture and reduced biomass recalcitrance. <i>Plant Biotechnology Journal</i> , 2015, 13, 636-647.	8.3	117
7	High-resolution genetic mapping of allelic variants associated with cell wall chemistry in <i>Populus</i> . <i>BMC Genomics</i> , 2015, 16, 24.	2.8	106
8	Two-year field analysis of reduced recalcitrance transgenic switchgrass. <i>Plant Biotechnology Journal</i> , 2014, 12, 914-924.	8.3	104
9	Increase in 4-Coumaroyl Alcohol Units during Lignification in Alfalfa (<i>Medicago sativa</i>) Alters the Extractability and Molecular Weight of Lignin. <i>Journal of Biological Chemistry</i> , 2010, 285, 38961-38968.	3.4	102
10	Radical Coupling Reactions in Lignin Synthesis: A Density Functional Theory Study. <i>Journal of Physical Chemistry B</i> , 2012, 116, 4760-4768.	2.6	101
11	NMR Characterization of C3H and HCT Down-Regulated Alfalfa Lignin. <i>Bioenergy Research</i> , 2009, 2, 198-208.	3.9	82
12	Down-regulation of p-coumaroyl quinate/shikimate 3-hydroxylase (C3H) and cinnamate 4-hydroxylase (C4H) genes in the lignin biosynthetic pathway of <i>Eucalyptus urophylla</i> grandis leads to improved sugar release. <i>Biotechnology for Biofuels</i> , 2015, 8, 128.	6.2	70
13	Molecular simulation as a tool for studying lignin. <i>Environmental Progress and Sustainable Energy</i> , 2012, 31, 47-54.	2.3	56
14	Genetic Determinants for Enzymatic Digestion of Lignocellulosic Biomass Are Independent of Those for Lignin Abundance in a Maize Recombinant Inbred Population. <i>Plant Physiology</i> , 2014, 165, 1475-1487.	4.8	51
15	Sunflower as a biofuels crop: An analysis of Lignocellulosic chemical properties. <i>Biomass and Bioenergy</i> , 2013, 59, 208-217.	5.7	34
16	Working towards recalcitrance mechanisms: increased xylan and homogalacturonan production by overexpression of GALactUronosylTransferase12 (GAUT12) causes increased recalcitrance and decreased growth in <i>Populus</i> . <i>Biotechnology for Biofuels</i> , 2018, 11, 9.	6.2	31
17	Reducing the Effect of Variable Starch Levels in Biomass Recalcitrance Screening. , 2012, 908, 181-195.		30
18	What do you think the aims of doing a practical chemistry course are? A comparison of the views of students and teaching staff across three universities. <i>Chemistry Education Research and Practice</i> , 2018, 19, 463-473.	2.5	27

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19	Inquiry and industry inspired laboratories: the impact on students'™ perceptions of skill development and engagements. <i>Chemistry Education Research and Practice</i> , 2018, 19, 583-596.	2.5	20
20	Downregulation of p-Coumaroyl Quinate/Shikimate 3- ² -Hydroxylase (C3 ² H) or Cinnamate-4-hydroxylase (C4H) in <i>Eucalyptus urophylla</i> — <i>Eucalyptus grandis</i> Leads to Increased Extractability. <i>Bioenergy Research</i> , 2016, 9, 691-699.	3.9	12
21	Investigating student and staff perceptions of students' experiences in teaching laboratories through the lens of meaningful learning. <i>Chemistry Education Research and Practice</i> , 2019, 20, 187-196.	2.5	12
22	Inquiry-, problem-, context- and industry- based laboratories: an investigation into the impact of large-scale, longitudinal redevelopment on student perceptions of teaching laboratories. <i>International Journal of Science Education</i> , 2020, 42, 451-468.	1.9	11
23	Fostering uncertainty tolerance in anatomy education: Lessons learned from how humanities, arts and social science (HASS) educators develop learners' uncertainty tolerance. <i>Anatomical Sciences Education</i> , 2023, 16, 128-147.	3.7	8
24	Parasiticidal 2-alkoxy- and 2-aryloxyiminoalkyl trifluoromethanesulfonanilides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 252-255.	2.2	7
25	Curtailling marking variation and enhancing feedback in large scale undergraduate chemistry courses through reducing academic judgement: a case study. <i>Assessment and Evaluation in Higher Education</i> , 2019, 44, 881-893.	5.6	3
26	Australian Indigenous Knowledge in the Undergraduate Teaching Laboratory. <i>International Journal of Innovation in Science and Mathematics Education</i> , 2021, 29, .	0.2	1