Elizabeth E Hood

List of Publications by Year
in descending order

66 papers	4,426 citations	172207 29 h-index	143772 57 g-index
69 all docs	69 docs citations	69 times ranked	3019 citing authors

#	Article	IF	Citations
1	Degradation of Synthetic Dyes with Plant-Produced Manganese Peroxidase and Commercial Laccase. AATCC Journal of Research, 2022, 9, 49-59.	0.3	0
2	Development of a Highly Sensitive Glucose Nanocomposite Biosensor Based on Recombinant Enzyme from Corn. Journal of the Science of Food and Agriculture, 2022, , .	1.7	1
3	The importance of dominance and genotype-by-environment interactions on grain yield variation in a large-scale public cooperative maize experiment. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	52
4	An Arabinoxylan Extracted from Corn Grain Is Inhibitory to Cellulase Activity. Industrial Biotechnology, 2020, 16, 290-299.	0.5	0
5	The maize Î±-zein promoter can be utilized as a strong inducer of cellulase enzyme expression in maize kernels. Transgenic Research, 2019, 28, 537-547.	1.3	3
6	Recombinant Mn Peroxidase from Corn Grain Has an Excellent Electrocatalytic Effect in a Designed Amperometric Biosensor To Detect Hydrogen Peroxide at Low Concentrations. ACS Sustainable Chemistry and Engineering, 2019, 7, 19434-19441.	3.2	7
7	Effects of Oligosaccharides Isolated From Pinewood Hot Water Pre-hydrolyzates on Recombinant Cellulases. Frontiers in Bioengineering and Biotechnology, 2018, 6, 55.	2.0	13
8	Beneficial effects of Trametes versicolor pretreatment on saccharification and lignin enrichment of organosolv-pretreated pinewood. RSC Advances, 2017, 7, 45652-45661.	1.7	10
9	Plant-based biofuels. F1000Research, 2016, 5, 185.	0.8	40
10	Plant Molecular Farming: Much More than Medicines. Annual Review of Analytical Chemistry, 2016, 9, 271-294.	2.8	147
11	Failure to over-express expansin in multiple heterologous systems. New Negatives in Plant Science, 2016, 3-4, 10-18.	0.9	2
12	Over-expression of the cucumber expansin gene (Cs-EXPA1) in transgenic maize seed for cellulose deconstruction. Transgenic Research, 2016, 25, 173-186.	1.3	10
13	Strategies to Maximize Recombinant Protein Expression in Maize Kernels. , 2015, , 79-129.		1
14	Assessment of field-grown cellulase-expressing corn. Transgenic Research, 2015, 24, 185-198.	1.3	4
15	Introduction: Plant-Produced Protein Products. Biotechnology in Agriculture and Forestry, 2014, , 1-11.	0.2	0
16	Commercial Plant-Produced Recombinant Cellulases for Biomass Conversion. Biotechnology in Agriculture and Forestry, 2014, , 231-246.	0.2	4
17	Commercial Plant-Produced Recombinant Avidin. Biotechnology in Agriculture and Forestry, 2014, , 15-25.	0.2	4
18	Purification and Characterization of Recombinant Cel7A from Maize Seed. Applied Biochemistry and Biotechnology, 2014, 174, 2864-2874.	1.4	9

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19	Transcriptome analysis of embryo maturation in maize. BMC Plant Biology, 2013, 13, 19.	1.6	38
20	Enhanced Expression Levels of Cellulase Enzymes Using Multiple Transcription Units. Bioenergy Research, 2013, 6, 699-710.	2.2	10
21	Heterologous expression of cellobiohydrolase II (Cel6A) in maize endosperm. Transgenic Research, 2013, 22, 477-488.	1.3	20
22	Risk Assessment and Regulation of Molecular Farming - A Comparison between Europe and US. Current Pharmaceutical Design, 2013, 19, 5513-5530.	0.9	33
23	Production of Industrial Proteins in Plants. , 2012, , 161-181.		2
24	Recombinant Protein Production in Plants: Challenges and Solutions. Methods in Molecular Biology, 2012, 824, 469-481.	0.4	6
25	Protein targeting. , 2012, , 35-54.		10
26	Synergistic Activity of Plant Extracts with Microbial Cellulases for the Release of Free Sugars. Bioenergy Research, 2012, 5, 398-406.	2.2	7
27	Manipulating corn germplasm to increase recombinant protein accumulation. Plant Biotechnology Journal, 2012, 10, 20-30.	4.1	48
28	A method for transient expression in maize endosperm. In Vitro Cellular and Developmental Biology - Plant, 2010, 46, 485-490.	0.9	4
29	A novel method for evaluating the release of fermentable sugars from cellulosic biomass. Enzyme and Microbial Technology, 2010, 47, 206-211.	1.6	14
30	Analyzing genetic factors involved in recombinant protein expression enhancement. , 2010, , .		0
31	Over-expression of Novel Proteins in Maize. Biotechnology in Agriculture and Forestry, 2009, , 91-105.	0.2	7
32	Methods for Growing Nonfood Products in Transgenic Plants. Crop Science, 2007, 47, 1255-1262.	0.8	16
33	Subcellular targeting is a key condition for highâ€level accumulation of cellulase protein in transgenic maize seed. Plant Biotechnology Journal, 2007, 5, 709-719.	4.1	143
34	Manganese peroxidase from the white-rot fungus Phanerochaete chrysosporium is enzymatically active and accumulates to high levels in transgenic maize seed. Plant Biotechnology Journal, 2006, 4, 53-62.	4.1	36
35	Bioindustrial and Biopharmaceutical Products Produced in Plants. Advances in Agronomy, 2005, 85, 91-124.	2.4	57
36	Expression of the sweet protein brazzein in maize for production of a new commercial sweetener. Plant Biotechnology Journal, 2004, 3, 103-114.	4.1	72

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37	Where, oh where has my protein gone?. Trends in Biotechnology, 2004, 22, 53-55.	4.9	17
38	Analysis of the Maize Polyubiquitin-1 Promoter Heat Shock Elements and Generation of Promoter Variants with Modified Expression Characteristics. Transgenic Research, 2004, 13, 299-312.	1.3	34
39	Maize (Zea mays)-derived bovine trypsin: characterization of the first large-scale, commercial protein product from transgenic plants. Biotechnology and Applied Biochemistry, 2003, 38, 123.	1.4	150
40	Criteria for high-level expression of a fungal laccase gene in transgenic maize. Plant Biotechnology Journal, 2003, 1, 129-140.	4.1	134
41	Selecting the fruits of your labors. Trends in Plant Science, 2003, 8, 357-358.	4.3	7
42	Delivery of subunit vaccines in maize seed. Journal of Controlled Release, 2002, 85, 169-180.	4.8	143
43	Monoclonal antibody manufacturing in transgenic plants â€" myths and realities. Current Opinion in Biotechnology, 2002, 13, 630-635.	3.3	162
44	From green plants to industrial enzymes. Enzyme and Microbial Technology, 2002, 30, 279-283.	1.6	80
45	Development of an edible subunit vaccine in corn against enterotoxigenic strains of escherichia coli. In Vitro Cellular and Developmental Biology - Plant, 2002, 38, 11-17.	0.9	67
46	Industrial Proteins Produced from Transgenic Plants. , 2002, , 119-135.		19
47	Different modes of de novo telomere formation by plant telomerases. Plant Journal, 2001, 26, 77-87.	2.8	26
48	Plant-based vaccines: unique advantages. Vaccine, 2001, 19, 2742-2748.	1.7	201
49	Plant-based production of xenogenic proteins. Current Opinion in Biotechnology, 1999, 10, 382-386.	3.3	117
50	Commercial production of aprotinin in transgenic maize seeds. Molecular Breeding, 1999, 5, 345-356.	1.0	123
51	Title is missing!. Molecular Breeding, 1998, 4, 301-312.	1.0	124
52	Production and Purification of Two Recombinant Proteins from Transgenic Corn. Biotechnology Progress, 1998, 14, 149-155.	1.3	122
53	Processing of transgenic corn seed and its effect on the recovery of recombinant Î²-glucuronidase. , 1998, 60, 44-52.		65
54	Title is missing!. Molecular Breeding, 1997, 3, 291-306.	1.0	307

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55	Agrobacterium tumefaciens Transformation of Monocotyledons. Crop Science, 1995, 35, 301-309.	0.8	104
56	Molecular characterization of maize extensin expression. Plant Molecular Biology, 1993, 23, 685-695.	2.0	9
57	Molecular basis for extensin size heterogeneity in two maize varieties. Plant Molecular Biology, 1993, 21, 885-893.	2.0	9
58	NewAgrobacterium helper plasmids for gene transfer to plants. Transgenic Research, 1993, 2, 208-218.	1.3	1,265
59	Hydroxyproline-rich glycoproteins in cell walls of pericarp from maize. Plant Science, 1991, 79, 13-22.	1.7	34
60	Biochemical and Tissue Print Analyses of Hydroxyproline-Rich Glycoproteins in Cell Walls of Sporophytic Maize Tissues. Plant Physiology, 1991, 96, 1214-1219.	2.3	31
61	Localization of soluble and insoluble fractions of hydroxyproline-rich glycoproteins during maize kernel development. Journal of Cell Science, 1991, 98, 545-550.	1.2	17
62	T-DNA presence and opine production in tumors of Picea abies (L.) Karst induced by Agrobacterium tumefaciens A281. Plant Molecular Biology, 1990, 14, 111-117.	2.0	28
63	A Developmentally Regulated Hydroxyproline-Rich Glycoprotein in Maize Pericarp Cell Walls. Plant Physiology, 1988, 87, 138-142.	2.3	56
64	Virulence of Agrobacterium tumefaciens Strain A281 on Legumes. Plant Physiology, 1987, 83, 529-534.	2.3	71
65	Absolute stereochemistry of leucinopine, a crown gall opine. Phytochemistry, 1985, 24, 221-224.	1.4	23
66	L,L-Succinamopine: an epimeric crown gall opine. Phytochemistry, 1985, 24, 2945-2948.	1.4	31