C Neal Stewart Jr

List of Publications by Year
in descending order

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286 papers	15,815 citations	16411 64 h-index	22102 113 g-index
301 all docs	301 docs citations	301 times ranked	16880 citing authors

#	Article	IF	Citations
1	Miniâ€synplastomes for plastid genetic engineering. Plant Biotechnology Journal, 2022, 20, 360-373.	4.1	14
2	Kinaseâ€dead mutation: A novel strategy for improving soybean resistance to soybean cyst nematode Heterodera glycines. Molecular Plant Pathology, 2022, 23, 417-430.	2.0	9
3	High-Throughput Transfection and Analysis of Soybean (Glycine max) Protoplasts. Methods in Molecular Biology, 2022, 2464, 245-259.	0.4	1
4	Dynamic Seed Emission, Dispersion, and Deposition from Horseweed (Conyza canadensis (L.)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	1.6	0
5	Specific Bacterial Pathogen Phytosensing Is Enabled by a Synthetic Promoter-Transcription Factor System in Potato. Frontiers in Plant Science, 2022, 13, 873480.	1.7	5
6	The Genetic Architecture of Nitrogen Use Efficiency in Switchgrass (Panicum virgatum L.). Frontiers in Plant Science, 2022, 13, 893610.	1.7	0
7	Imaging of multiple fluorescent proteins in canopies enables synthetic biology in plants. Plant Biotechnology Journal, 2021, 19, 830-843.	4.1	16
8	Rational design and testing of abiotic stressâ€inducible synthetic promoters from poplar cisâ€regulatory elements. Plant Biotechnology Journal, 2021, 19, 1354-1369.	4.1	27
9	Cellâ€Typeâ€Specific Proteomics Analysis of a Small Number of Plant Cells by Integrating Laser Capture Microdissection with a Nanodroplet Sample Processing Platform. Current Protocols, 2021, 1, e153.	1.3	17
10	Proteinase inhibitors in legume herbivore defense: from natural to genetically engineered protectants. Plant Cell Reports, 2021, , 1.	2.8	6
11	Novel Candidate Genes Differentially Expressed in Glyphosate-Treated Horseweed (Conyza canadensis). Genes, 2021, 12, 1616.	1.0	1
12	Songwriting and science. Science, 2021, , .	6.0	0
13	Sustainability Trait Modeling of Field-Grown Switchgrass (Panicum virgatum) Using UAV-Based Imagery. Plants, 2021, 10, 2726.	1.6	7
14	Lipofection-mediated genome editing using DNA-free delivery of the Cas9/gRNA ribonucleoprotein into plant cells. Plant Cell Reports, 2020, 39, 245-257.	2.8	66
15	A Robust Method to Quantify Cell Wall Bound Phenolics in Plant Suspension Culture Cells Using Pyrolysis-Gas Chromatography/Mass Spectrometry. Frontiers in Plant Science, 2020, 11, 574016.	1.7	3
16	Lighting the Way: Advances in Engineering Autoluminescent Plants. Trends in Plant Science, 2020, 25, 1176-1179.	4.3	7
17	Functional Markers for Precision Plant Breeding. International Journal of Molecular Sciences, 2020, 21, 4792.	1.8	55
18	High-Throughput Switchgrass Phenotyping and Biomass Modeling by UAV. Frontiers in Plant Science, 2020, 11, 574073.	1.7	20

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19	Plants to Remotely Detect Human Decomposition?. Trends in Plant Science, 2020, 25, 947-949.	4.3	9
20	Generation, analysis, and transformation of macro-chloroplast Potato (Solanum tuberosum) lines for chloroplast biotechnology. Scientific Reports, 2020, 10, 21144.	1.6	10
21	Identification of introduced and stably inherited DNA methylation variants in soybean associated with soybean cyst nematode parasitism. New Phytologist, 2020, 227, 168-184.	3.5	27
22	Silencing Folylpolyglutamate Synthetase1 (FPGS1) in Switchgrass (Panicum virgatum L.) Improves Lignocellulosic Biofuel Production. Frontiers in Plant Science, 2020, 11, 843.	1.7	6
23	Development and field assessment of transgenic hybrid switchgrass for improved biofuel traits. Euphytica, 2020, 216, 1.	0.6	8
24	The Q-System as a Synthetic Transcriptional Regulator in Plants. Frontiers in Plant Science, 2020, 11, 245.	1.7	19
25	Development and validation of a novel and robust cell culture system in soybean (Glycine max (L.)) Tj ETQq1 1 0.784314 rgBT /Overlo	2.8	14
26	MoChlo: A Versatile, Modular Cloning Toolbox for Chloroplast Biotechnology. Plant Physiology, 2019, 179, 943-957.	2.3	36
27	Multiple levers for overcoming the recalcitrance of lignocellulosic biomass. Biotechnology for Biofuels, 2019, 12, 15.	6.2	47
28	Genome Editing, Gene Drives, and Synthetic Biology: Will They Contribute to Disease-Resistant Crops, and Who Will Benefit?. Annual Review of Phytopathology, 2019, 57, 165-188.	3.5	64
29	Transcriptomic Analysis Identifies New Non-Target Site Glyphosate-Resistance Genes in Conyza bonariensis. Plants, 2019, 8, 157.	1.6	31
30	An exposure pathwayâ€based risk assessment system for <scp>GM</scp> plants. Plant Biotechnology Journal, 2019, 17, 1859-1861.	4.1	2
31	Defenses Against ROS in Crops and Weeds: The Effects of Interference and Herbicides. International Journal of Molecular Sciences, 2019, 20, 1086.	1.8	86
32	Embryogenic cell suspensions for high-capacity genetic transformation and regeneration of switchgrass (Panicum virgatum L.). Biotechnology for Biofuels, 2019, 12, 290.	6.2	14
33	An Automated Protoplast Transformation System. Methods in Molecular Biology, 2019, 1917, 355-363.	0.4	10
34	Oxidative stress and differential antioxidant enzyme activity in glyphosate-resistant and -sensitive hairy fleabane in response to glyphosate treatment. Bragantia, 2019, 78, 379-396.	1.3	14
35	Epigenetic Footprints of CRISPR/Cas9-Mediated Genome Editing in Plants. Frontiers in Plant Science, 2019, 10, 1720.	1.7	20
36	Effects of field-grown transgenic switchgrass carbon inputs on soil organic carbon cycling. PeerJ, 2019, 7, e7887.	0.9	4

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37	Advanced editing of the nuclear and plastid genomes in plants. Plant Science, 2018, 273, 42-49.	1.7	26
38	A profilin gene promoter from switchgrass (Panicum virgatum L.) directs strong and specific transgene expression to vascular bundles in rice. Plant Cell Reports, 2018, 37, 587-597.	2.8	10
39	Sugar release and growth of biofuel crops are improved by downregulation of pectin biosynthesis. Nature Biotechnology, 2018, 36, 249-257.	9.4	136
40	Switchgrass (Panicum virgatum L.) promoters for green tissue-specific expression of the MYB4 transcription factor for reduced-recalcitrance transgenic switchgrass. Biotechnology for Biofuels, 2018, 11, 122.	6.2	17
41	Transgenic miR156 switchgrass in the field: growth, recalcitrance and rust susceptibility. Plant Biotechnology Journal, 2018, 16, 39-49.	4.1	26
42	Climbing plants: attachment adaptations and bioinspired innovations. Plant Cell Reports, 2018, 37, 565-574.	2.8	28
43	Phytopathogen-induced changes to plant methylomes. Plant Cell Reports, 2018, 37, 17-23.	2.8	30
44	Plant metabolic engineering in the synthetic biology era: plant chassis selection. Plant Cell Reports, 2018, 37, 1357-1358.	2.8	9
45	The plastid genome as a chassis for synthetic biology-enabled metabolic engineering: players in gene expression. Plant Cell Reports, 2018, 37, 1419-1429.	2.8	11
46	Functional Analysis of Cellulose Synthase CesA4 and CesA6 Genes in Switchgrass (Panicum virgatum) by Overexpression and RNAi-Mediated Gene Silencing. Frontiers in Plant Science, 2018, 9, 1114.	1.7	34
47	Houseplants as home health monitors. Science, 2018, 361, 229-230.	6.0	8
48	One species to another: sympatric Bt transgene gene flow from Brassica napus alters the reproductive strategy of wild relative Brassica juncea under herbivore treatment. Annals of Botany, 2018, 122, 617-625.	1.4	7
49	Metabolomic analysis of the mechanism of action of yerba mate aqueous extract on Salmonella enterica serovar Typhimurium. Metabolomics, 2017, 13, 1.	1.4	6
50	Elevating the conversation about GE crops. Nature Biotechnology, 2017, 35, 302-304.	9.4	6
51	Becoming weeds. Nature Genetics, 2017, 49, 654-655.	9.4	16
52	Atmospheric pollen dispersion from herbicide-resistant horseweed (Conyza canadensis L.). Aerobiologia, 2017, 33, 393-406.	0.7	10
53	Improved tissue culture conditions for the emerging C4 model Panicum hallii. BMC Biotechnology, 2017, 17, 39.	1.7	8
54	Pollen-mediated gene flow from transgenic to non-transgenic switchgrass (Panicum virgatum L.) in the field. BMC Biotechnology, 2017, 17, 40.	1.7	9

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55	Study of traits and recalcitrance reduction of field-grown COMT down-regulated switchgrass. Biotechnology for Biofuels, 2017, 10, 12.	6.2	30
56	An (E,E)â€Î±â€farnesene synthase gene of soybean has a role in defence against nematodes and is involved in synthesizing insectâ€induced volatiles. Plant Biotechnology Journal, 2017, 15, 510-519.	4.1	61
57	Transgenic switchgrass (Panicum virgatum L.) targeted for reduced recalcitrance to bioconversion: a 2â€year comparative analysis of fieldâ€grown lines modified for target gene or genetic element expression. Plant Biotechnology Journal, 2017, 15, 688-697.	4.1	29
58	Fieldâ€grown transgenic switchgrass (Panicum virgatum L.) with altered lignin does not affect soil chemistry, microbiology, and carbon storage potential. GCB Bioenergy, 2017, 9, 1100-1109.	2.5	20
59	The TcEG1 beetle (Tribolium castaneum) cellulase produced in transgenic switchgrass is active at alkaline pH and auto-hydrolyzes biomass for increased cellobiose release. Biotechnology for Biofuels, 2017, 10, 230.	6.2	6
60	The Potential of Systems Biology to Discover Antibacterial Mechanisms of Plant Phenolics. Frontiers in Microbiology, 2017, 8, 422.	1.5	90
61	Field-grown miR156 transgenic switchgrass reproduction, yield, global gene expression analysis, and bioconfinement. Biotechnology for Biofuels, 2017, 10, 255.	6.2	11
62	Development and use of a switchgrass (Panicum virgatum L.) transformation pipeline by the BioEnergy Science Center to evaluate plants for reduced cell wall recalcitrance. Biotechnology for Biofuels, 2017, 10, 309.	6.2	26
63	Identification and Overexpression of a Knotted1-Like Transcription Factor in Switchgrass (Panicum) Tj ETQq1 1 0.784314 rgBT /Overlo	1.7	39
64	Transgenic Plant-Produced Hydrolytic Enzymes and the Potential of Insect Gut-Derived Hydrolases for Biofuels. Frontiers in Plant Science, 2016, 7, 675.	1.7	17
65	Diversity of ABC transporter genes across the plant kingdom and their potential utility in biotechnology. BMC Biotechnology, 2016, 16, 47.	1.7	91
66	Time Course Field Analysis of COMT-Downregulated Switchgrass: Lignification, Recalcitrance, and Rust Susceptibility. Bioenergy Research, 2016, 9, 1087-1100.	2.2	15
67	Progress of targeted genome modification approaches in higher plants. Plant Cell Reports, 2016, 35, 1401-1416.	2.8	43
68	Engineered selective plant male sterility through pollenâ€specific expression of the Eco RI restriction endonuclease. Plant Biotechnology Journal, 2016, 14, 1281-1290.	4.1	14
69	Methods for suspension culture, protoplast extraction, and transformation of highâ€biomass yielding perennial grass Arundo donax. Biotechnology Journal, 2016, 11, 1657-1666.	1.8	4
70	The Science of Gene Flow in Agriculture and Its Role in Coexistence. , 2016, , 13-37.		1
71	A Robotic Platform for High-throughput Protoplast Isolation and Transformation. Journal of Visualized Experiments, 2016, , .	0.2	18
72	Hybridization of downregulated-COMT transgenic switchgrass lines with field-selected switchgrass for improved biomass traits. Euphytica, 2016, 209, 341-355.	0.6	3

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73	Advancing Crop Transformation in the Era of Genome Editing. Plant Cell, 2016, 28, tpc.00196.2016.	3.1	429
74	Next-generation precision genome engineering and plant biotechnology. Plant Cell Reports, 2016, 35, 1397-1399.	2.8	19
75	Transgenic soybean overexpressing Gm<scp>SAMT</scp>1 exhibits resistance to multipleâ€<scp>HG</scp> types of soybean cyst nematode Heterodera glycines. Plant Biotechnology Journal, 2016, 14, 2100-2109.	4.1	23
76	Plant synthetic promoters and transcription factors. Current Opinion in Biotechnology, 2016, 37, 36-44.	3.3	115
77	Development of a rapid, low-cost protoplast transfection system for switchgrass (Panicum virgatum) Tj ETQq1 1 0.784314 rgBT /Over	2.8	61
78	Field Studies on Dynamic Pollen Production, Deposition, and Dispersion of Glyphosate-Resistant Horseweed (Conyza canadensis). Weed Science, 2016, 64, 101-111.	0.8	11
79	A proteomic analysis of seeds from Bt-transgenic Brassica napus and hybrids with wild B. juncea. Scientific Reports, 2015, 5, 15480.	1.6	17
80	Effects of Produced Water on Soil Characteristics, Plant Biomass, and Secondary Metabolites. Journal of Environmental Quality, 2015, 44, 1938-1947.	1.0	25
81	Identification and Molecular Characterization of the Switchgrass AP2/ERF Transcription Factor Superfamily, and Overexpression of PvERF001 for Improvement of Biomass Characteristics for Biofuel. Frontiers in Bioengineering and Biotechnology, 2015, 3, 101.	2.0	49
82	Manipulating micro<scp>RNA</scp>s for improved biomass and biofuels from plant feedstocks. Plant Biotechnology Journal, 2015, 13, 337-354.	4.1	37
83	The effects of the presence of Bt-transgenic oilseed rape in wild mustard populations on the rhizosphere nematode and microbial communities. Science of the Total Environment, 2015, 530-531, 263-270.	3.9	22
84	Windâ€mediated horseweed (C onyza canadensis) gene flow: pollen emission, dispersion, and deposition. Ecology and Evolution, 2015, 5, 2646-2658.	0.8	16
85	Photosynthetic parameters of switchgrass (Panicum virgatum) under low radiation: Influence of stable overexpression of MiscanthusÂ—giganteus PPDK on responses to light and CO2 under warm and cool growing conditions. New Negatives in Plant Science, 2015, 1-2, 23-32.	0.9	4
86	Field Evaluation of Transgenic Switchgrass Plants Overexpressing PvMYB4 for Reduced Biomass Recalcitrance. Bioenergy Research, 2015, 8, 910-921.	2.2	57
87	The effect of Bt-transgene introgression on plant growth and reproduction in wild Brassica juncea. Transgenic Research, 2015, 24, 537-547.	1.3	18
88	The Methylome of Soybean Roots during the Compatible Interaction with the Soybean Cyst Nematode. Plant Physiology, 2015, 168, 1364-1377.	2.3	70
89	The evolutionary history of ferns inferred from 25 lowâ€copy nuclear genes. American Journal of Botany, 2015, 102, 1089-1107.	0.8	157
90	Soybean kinome: functional classification and gene expression patterns. Journal of Experimental Botany, 2015, 66, 1919-1934.	2.4	43

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91	Transgenic switchgrass (Panicum virgatum L.) biomass is increased by overexpression of switchgrass sucrose synthase (PvSUS1). Biotechnology Journal, 2015, 10, 552-563.	1.8	45
92	Plant synthetic biology. Trends in Plant Science, 2015, 20, 309-317.	4.3	144
93	The presence of Bt-transgenic oilseed rape in wild mustard populations affects plant growth. Transgenic Research, 2015, 24, 1043-1053.	1.3	4
94	Identification and overexpression of gibberellin 2â€oxidase (<scp>GA</scp>2ox) in switchgrass (<scp>P</scp>anicum virgatum L.) for improved plant architecture and reduced biomass recalcitrance. Plant Biotechnology Journal, 2015, 13, 636-647.	4.1	117
95	Computational Ranking of Yerba Mate Small Molecules Based on Their Predicted Contribution to Antibacterial Activity against Methicillin-Resistant Staphylococcus aureus. PLoS ONE, 2015, 10, e0123925.	1.1	10
96	Ethanol and High-Value Terpene Co-Production from Lignocellulosic Biomass of Cymbopogon flexuosus and Cymbopogon martinii. PLoS ONE, 2015, 10, e0139195.	1.1	13
97	Narrow terahertz attenuation signatures in Bacillus thuringiensis. Journal of Biophotonics, 2014, 7, 818-824.	1.1	18
98	Expanding the Scope of Responsible Conduct of Research Instruction. Accountability in Research, 2014, 21, 321-327.	1.6	7
99	Integrated Metagenomics and Metatranscriptomics Analyses of Root-Associated Soil from Transgenic Switchgrass. Genome Announcements, 2014, 2, .	0.8	12
100	Antimicrobial Activity of Hibiscus sabdariffa Aqueous Extracts against Escherichia coli O157:H7 and Staphylococcus aureus in a Microbiological Medium and Milk of Various Fat Concentrations. Journal of Food Protection, 2014, 77, 262-268.	0.8	36
101	The performance of pathogenic bacterial phytosensing transgenic tobacco in the field. Plant Biotechnology Journal, 2014, 12, 755-764.	4.1	13
102	Highâ€throughput deep sequencing shows that micro<scp>RNA</scp>s play important roles in switchgrass responses to drought and salinity stress. Plant Biotechnology Journal, 2014, 12, 354-366.	4.1	131
103	Twoâ€year field analysis of reduced recalcitrance transgenic switchgrass. Plant Biotechnology Journal, 2014, 12, 914-924.	4.1	104
104	Morphology and ploidy level determination of Pteris vittata callus during induction and regeneration. BMC Biotechnology, 2014, 14, 96.	1.7	6
105	ATP-Dependent Binding Cassette Transporter G Family Member 16 Increases Plant Tolerance to Abscisic Acid and Assists in Basal Resistance against Pseudomonas syringae DC3000 Â Â. Plant Physiology, 2014, 166, 879-888.	2.3	46
106	Genetic diversity analysis of switchgrass (Panicum virgatum L.) populations using microsatellites and chloroplast sequences. Agroforestry Systems, 2014, 88, 823-834.	0.9	3
107	Physiological and transcriptional responses of Baccharis halimifolia to the explosive â€œcomposition Bâ€• (RDX/TNT) in amended soil. Environmental Science and Pollution Research, 2014, 21, 8261-8270.	2.7	21
108	Aqueous extracts of Hibiscus sabdariffa calyces as an antimicrobial rinse on hot dogs against Listeria monocytogenes and methicillin-resistant Staphylococcus aureus. Food Control, 2014, 40, 274-277.	2.8	45

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109	Images and imagination: the role of figures in plant cell and molecular biology publications. Plant Cell Reports, 2014, 33, 829-830.	2.8	2
110	Synthetic <scp>TAL</scp> effectors for targeted enhancement of transgene expression in plants. Plant Biotechnology Journal, 2014, 12, 436-446.	4.1	18
111	De Novo Genome Assembly of the Economically Important Weed Horseweed Using Integrated Data from Multiple Sequencing Platforms Â Â Â. Plant Physiology, 2014, 166, 1241-1254.	2.3	101
112	â€˜Fukusensor:â€™ a genetically engineered plant for reporting <scp>DNA</scp> damage in response to gamma radiation. Plant Biotechnology Journal, 2014, 12, 1329-1332.	4.1	7
113	Stable Bacillus thuringiensis transgene introgression from Brassica napus to wild mustard B. juncea. Plant Science, 2014, 227, 45-50.	1.7	14
114	Genome engineering via TALENs and CRISPR/Cas9 systems: challenges and perspectives. Plant Biotechnology Journal, 2014, 12, 1006-1014.	4.1	110
115	Computational discovery of soybean promoter cisâ€regulatory elements for the construction of soybean cyst nematodeâ€inducible synthetic promoters. Plant Biotechnology Journal, 2014, 12, 1015-1026.	4.1	42
116	Advances in biotechnology and genomics of switchgrass. Biotechnology for Biofuels, 2013, 6, 77.	6.2	39
117	Enhanced characteristics of genetically modified switchgrass (Panicum virgatum L.) for high biofuel production. Biotechnology for Biofuels, 2013, 6, 71.	6.2	118
118	Less is more: strategies to remove marker genes from transgenic plants. BMC Biotechnology, 2013, 13, 36.	1.7	107
119	Standardization of Switchgrass Sample Collection for Cell Wall and Biomass Trait Analysis. Bioenergy Research, 2013, 6, 755-762.	2.2	87
120	Advanced genetic tools for plant biotechnology. Nature Reviews Genetics, 2013, 14, 781-793.	7.7	188
121	Introgression of Crop Alleles into Wild or Weedy Populations. Annual Review of Ecology, Evolution, and Systematics, 2013, 44, 325-345.	3.8	169
122	An orange fluorescent protein tagging system for real-time pollen tracking. BMC Research Notes, 2013, 6, 383.	0.6	2
123	Assessing the bioconfinement potential of a Nicotianahybrid platform for use in plant molecular farming applications. BMC Biotechnology, 2013, 13, 63.	1.7	4
124	Monitoring the Environmental Impact of TiO$_{f 2}$ Nanoparticles Using a Plant-Based Sensor Network. IEEE Nanotechnology Magazine, 2013, 12, 182-189.	1.1	7
125	Genetic diversity and structure of natural and agronomic switchgrass (Panicum virgatum L.) populations. Genetic Resources and Crop Evolution, 2013, 60, 1057-1068.	0.8	11
126	Mega-Nano Detection of Foodborne Pathogens and Transgenes Using Molecular Beacon and Semiconductor Quantum Dot Technologies. IEEE Transactions on Nanobioscience, 2013, 12, 233-238.	2.2	10

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127	Bacterial pathogen phytosensing in transgenic tobacco and <scp>A</scp>rabidopsis plants. Plant Biotechnology Journal, 2013, 11, 43-52.	4.1	30
128	Ecological Functions of Terpenoids in Changing Climates. , 2013, , 2913-2940.		14
129	Characterization of physicochemical properties of ivy nanoparticles for cosmetic application. Journal of Nanobiotechnology, 2013, 11, 3.	4.2	24
130	Gene use restriction technologies for transgenic plant bioconfinement. Plant Biotechnology Journal, 2013, 11, 649-658.	4.1	19
131	Bio-Synthesis of Gold Nanoparticles Using English ivy (<I>Hedera helix</I>). Journal of Nanoscience and Nanotechnology, 2013, 13, 1649-1659.	0.9	6
132	A Genomics Approach to Deciphering Lignin Biosynthesis in Switchgrass. Plant Cell, 2013, 25, 4342-4361.	3.1	109
133	Effects of altered lignin biosynthesis on phenylpropanoid metabolism and plant stress. Biofuels, 2013, 4, 635-650.	1.4	59
134	Evolution and spread of glyphosate resistance in <scp>C</scp>onyza canadensis in <scp>C</scp>alifornia. Evolutionary Applications, 2013, 6, 761-777.	1.5	53
135	Stable Transformation of Ferns Using Spores as Targets: Pteris vittata and Ceratopteris thalictroides. Plant Physiology, 2013, 163, 648-658.	2.3	44
136	Isolation and chemical analysis of nanoparticles from English ivy (Hedera helix L.). Journal of the Royal Society Interface, 2013, 10, 20130392.	1.5	22
137	Online tool for GR horseweed (Conyza canadensis) gene flow. , 2013, , .		0
138	Aqueous Extracts of Yerba Mate (Ilex paraguariensis) as a Natural Antimicrobial against Escherichia coli O157:H7 in a Microbiological Medium and pH 6.0 Apple Juice. Journal of Food Protection, 2012, 75, 753-757.	0.8	28
139	Misconduct versus Honest Error and Scientific Disagreement. Accountability in Research, 2012, 19, 56-63.	1.6	39
140	Gene flow matters in switchgrass (Panicum virgatumL.), a potential widespread biofuel feedstock. Ecological Applications, 2012, 22, 3-7.	1.8	28
141	Very bright orange fluorescent plants: endoplasmic reticulum targeting of orange fluorescent proteins as visual reporters in transgenic plants. BMC Biotechnology, 2012, 12, 17.	1.7	34
142	Nanoparticle biofabrication using English ivy (Hedera helix). Journal of Nanobiotechnology, 2012, 10, 41.	4.2	25
143	Fluorescent nanoparticles: Sensing pathogens and toxins in foods and crops. Trends in Food Science and Technology, 2012, 28, 143-152.	7.8	41
144	Evaluating Methods for Isolating Total RNA and Predicting the Success of Sequencing Phylogenetically Diverse Plant Transcriptomes. PLoS ONE, 2012, 7, e50226.	1.1	172

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145	Functional characterization of the switchgrass (Panicum virgatum) R2R3â€MYB transcription factor PvMYB4 for improvement of lignocellulosic feedstocks. New Phytologist, 2012, 193, 121-136.	3.5	264
146	Gatewayâ€compatible vectors for highâ€throughput gene functional analysis in switchgrass (Panicum) Tj ETQq0 0 0 rgBT /Overlock	4.1	150
147	Overexpression of miR156 in switchgrass (Panicum virgatum L.) results in various morphological alterations and leads to improved biomass production. Plant Biotechnology Journal, 2012, 10, 443-452.	4.1	293
148	MicroRNA Expression Analysis in the Cellulosic Biofuel Crop Switchgrass (Panicum virgatum) under Abiotic Stress. PLoS ONE, 2012, 7, e32017.	1.1	87
149	The Effects of Seed Size on Hybrids Formed between Oilseed Rape (Brassica napus) and Wild Brown Mustard (B. juncea). PLoS ONE, 2012, 7, e39705.	1.1	7
150	Detecting the environmental impact of nanoparticles using plant-based biosensors. , 2011, , .		0
151	Intellectual Property Aspects of Plant Transformation. , 2011, , 243-270.		1
152	Optoelectronic Signatures of DNA-Based Hybrid Nanostructures. IEEE Nanotechnology Magazine, 2011, 10, 35-43.	1.1	17
153	Switchgrass (Panicum virgatum L.) cell suspension cultures: Establishment, characterization, and application. Plant Science, 2011, 181, 712-715.	1.7	24
154	Bioenergy plants in the United States and China. Plant Science, 2011, 181, 621-622.	1.7	1
155	Biomass feedstock: diversity as a solution. Biofuels, 2011, 2, 491-493.	1.4	9
156	Aluminium accumulation in Pteris cretica and trace element uptake in vegetation growing on an abandoned aluminium smelter site in Knoxville, TN, USA. International Journal of Environment and Pollution, 2011, 45, 310.	0.2	1
157	An efficient and rapid transgenic pollen screening and detection method using flow cytometry. Biotechnology Journal, 2011, 6, 118-123.	1.8	19
158	Characterization of English ivy (Hedera helix) adhesion force and imaging using atomic force microscopy. Journal of Nanoparticle Research, 2011, 13, 1029-1037.	0.8	26
159	Agroinfiltration as a technique for rapid assays for evaluating candidate insect resistance transgenes in plants. Plant Cell Reports, 2011, 30, 325-334.	2.8	34
160	Gene expression profiling of resistant and susceptible soybean lines infected with soybean cyst nematode. Theoretical and Applied Genetics, 2011, 123, 1193-206.	1.8	49
161	Rapid in vivo analysis of synthetic promoters for plant pathogen phytosensing. BMC Biotechnology, 2011, 11, 108.	1.7	50
162	Highâ€throughput functional marker assay for detection of Xa/xa and fgr genes in rice (Oryza sativa L.). Electrophoresis, 2011, 32, 2216-2222.	1.3	11

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163	Transgene introgression in crop relatives: molecular evidence and mitigation strategies. Trends in Biotechnology, 2011, 29, 284-293.	4.9	92
164	USâ€“China collaborative biofuel research: towards a global solution for petroleum replacement. Biofuels, 2011, 2, 487-489.	1.4	2
165	Hyperspectral studies of transgenic oilseed rape. International Journal of Remote Sensing, 2011, 32, 1095-1103.	1.3	3
166	Sustainable Use of Biotechnology for Bioenergy Feedstocks. Environmental Management, 2010, 46, 531-538.	1.2	19
167	Chinaâ€“U.S. workshop on biotechnology of bioenergy plants. Ecotoxicology, 2010, 19, 1-3.	1.1	6
168	Keeping the genie in the bottle: transgene biocontainment by excision in pollen. Trends in Biotechnology, 2010, 28, 3-8.	4.9	55
169	Abiotic stress and transgenics: Implications for reproductive success and crop-to-wild gene flow in Brassicas. Basic and Applied Ecology, 2010, 11, 513-521.	1.2	6
170	Characterization of the horseweed (Conyza canadensis) transcriptome using GSâ€FLX 454 pyrosequencing and its application for expression analysis of candidate nonâ€target herbicide resistance genes. Pest Management Science, 2010, 66, 1053-1062.	1.7	112
171	Characterization of de novo transcriptome for waterhemp (Amaranthus tuberculatus) using GSâ€FLX 454 pyrosequencing and its application for studies of herbicide targetâ€site genes. Pest Management Science, 2010, 66, 1042-1052.	1.7	89
172	Transgenic perennial biofuel feedstocks and strategies for bioconfinement. Biofuels, 2010, 1, 163-176.	1.4	47
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