

Henry Daniell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9328872/publications.pdf>

Version: 2024-02-01

219
papers

20,144
citations

8208

78
h-index

13274

135
g-index

226
all docs

226
docs citations

226
times ranked

12088
citing authors

#	ARTICLE	IF	CITATIONS
1	Mini-synplastomes for plastid genetic engineering. <i>Plant Biotechnology Journal</i> , 2022, 20, 360-373.	4.1	14
2	Plant Single Cell Transcriptome Hub (PsctH): an integrated online tool to explore the plant single-cell transcriptome landscape. <i>Plant Biotechnology Journal</i> , 2022, 20, 10-12.	4.1	27
3	Debulking SARS-CoV-2 in saliva using angiotensin converting enzyme 2 in chewing gum to decrease oral virus transmission and infection. <i>Molecular Therapy</i> , 2022, 30, 1966-1978.	3.7	39
4	PBJ celebrates twenty years of service to the scientific community by offering free global access, improved ranking and diversity. <i>Plant Biotechnology Journal</i> , 2022, 20, 3-9.	4.1	0
5	Debulking different Corona (SARS-CoV-2 delta, omicron, OC43) and Influenza (H1N1, H3N2) virus strains by plant viral trap proteins in chewing gums to decrease infection and transmission. <i>Biomaterials</i> , 2022, 288, 121671.	5.7	16
6	Decrease in Angiotensin-Converting Enzyme activity but not concentration in plasma/lungs in COVID-19 patients offers clues for diagnosis/treatment. <i>Molecular Therapy - Methods and Clinical Development</i> , 2022, 26, 266-278.	1.8	15
7	Genetic manipulation of <i>Soc1</i> -like genes promotes photosynthesis in flowers and leaves and enhances plant tolerance to high temperature. <i>Plant Biotechnology Journal</i> , 2021, 19, 8-10.	4.1	6
8	Role of orally induced regulatory T cells in immunotherapy and tolerance. <i>Cellular Immunology</i> , 2021, 359, 104251.	1.4	48
9	Green giant—a tiny chloroplast genome with mighty power to produce high-value proteins: history and phylogeny. <i>Plant Biotechnology Journal</i> , 2021, 19, 430-447.	4.1	86
10	Preclinical development of plant-based oral immune modulatory therapy for haemophilia B. <i>Plant Biotechnology Journal</i> , 2021, 19, 1952-1966.	4.1	17
11	Affordable oral health care: dental biofilm disruption using chloroplast made enzymes with chewing gum delivery. <i>Plant Biotechnology Journal</i> , 2021, 19, 2113-2125.	4.1	17
12	Contributions of the international plant science community to the fight against infectious diseases in humans—part 2: Affordable drugs in edible plants for endemic and re-emerging diseases. <i>Plant Biotechnology Journal</i> , 2021, 19, 1921-1936.	4.1	31
13	Contributions of the international plant science community to the fight against human infectious diseases — part 1: epidemic and pandemic diseases. <i>Plant Biotechnology Journal</i> , 2021, 19, 1901-1920.	4.1	44
14	Oral delivery of therapeutic proteins bioencapsulated in plant cells: Preclinical and clinical advances. <i>Current Opinion in Colloid and Interface Science</i> , 2021, 54, 101452.	3.4	11
15	PBJ ranks higher, enhances diversity and offers free global access. <i>Plant Biotechnology Journal</i> , 2021, 19, 3-4.	4.1	1
16	High-efficient and precise base editing of C to T in the allotetraploid cotton (<i>Gossypium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 2020, 18, 45-56.	4.1	114
17	Investigational new drug enabling angiotensin oral-delivery studies to attenuate pulmonary hypertension. <i>Biomaterials</i> , 2020, 233, 119750.	5.7	42
18	Generation, analysis, and transformation of macro-chloroplast Potato (<i>Solanum tuberosum</i>) lines for chloroplast biotechnology. <i>Scientific Reports</i> , 2020, 10, 21144.	1.6	10

#	ARTICLE	IF	CITATIONS
19	From conception to COVID-19: an arduous journey of tribulations of racism and triumphs. <i>Plant Biotechnology Journal</i> , 2020, 18, 2147-2154.	4.1	4
20	Role of Small Intestine and Gut Microbiome in Plant-Based Oral Tolerance for Hemophilia. <i>Frontiers in Immunology</i> , 2020, 11, 844.	2.2	19
21	Journal Flexibility in the Troubling Times of COVID-19. <i>Plant Physiology</i> , 2020, 182, 1795-1795.	2.3	0
22	Journal Flexibility in the Troubling Times of COVID-19. <i>Plant Cell</i> , 2020, 32, 1337-1337.	3.1	0
23	From Î-aminolevulinic acid to chlorophylls and every step in between: in memory of Constantin (Tino) A. Rebeiz, 1936-2019. <i>Photosynthesis Research</i> , 2020, 145, 71-82.	1.6	7
24	PBJ ranks higher, despite publishing more original articles, very few editorial materials and offers free global access. <i>Plant Biotechnology Journal</i> , 2020, 18, 3-4.	4.1	1
25	Multi-omics analyses reveal epigenomics basis for cotton somatic embryogenesis through successive regeneration acclimation process. <i>Plant Biotechnology Journal</i> , 2019, 17, 435-450.	4.1	88
26	Plant cell-made protein antigens for induction of Oral tolerance. <i>Biotechnology Advances</i> , 2019, 37, 107413.	6.0	44
27	The chromosome-scale reference genome of black pepper provides insight into piperine biosynthesis. <i>Nature Communications</i> , 2019, 10, 4702.	5.8	115
28	PBJ is ranked higher, publishes more original articles and offers free global access. <i>Plant Biotechnology Journal</i> , 2019, 17, 3-4.	4.1	1
29	Validation of leaf enzymes in the detergent and textile industries: launching of a new platform technology. <i>Plant Biotechnology Journal</i> , 2019, 17, 1167-1182.	4.1	37
30	The potential of plant systems to break the HIV-1 link. <i>Plant Biotechnology Journal</i> , 2019, 17, 1868-1891.	4.1	16
31	Validation of leaf and microbial pectinases: commercial launching of a new platform technology. <i>Plant Biotechnology Journal</i> , 2019, 17, 1154-1166.	4.1	34
32	Production of tetravalent dengue virus envelope protein domain based antigens in lettuce chloroplasts and immunologic analysis for future oral vaccine development. <i>Plant Biotechnology Journal</i> , 2019, 17, 1408-1417.	4.1	31
33	Cold chain and virus-free oral polio booster vaccine made in lettuce chloroplasts confers protection against all three poliovirus serotypes. <i>Plant Biotechnology Journal</i> , 2019, 17, 1357-1368.	4.1	52
34	Whole genome sequencing reveals rare off-target mutations and considerable inherent genetic or/and somaclonal variations in CRISPR/Cas9 edited cotton plants. <i>Plant Biotechnology Journal</i> , 2019, 17, 858-868.	4.1	159
35	PBJ publishes high-impact original plant biotechnology research with free global access. <i>Plant Biotechnology Journal</i> , 2018, 16, 3-3.	4.1	1
36	High efficient multisites genome editing in allotetraploid cotton (<i>Gossypium hirsutum</i>) using CRISPR/Cas9 system. <i>Plant Biotechnology Journal</i> , 2018, 16, 137-150.	4.1	202

#	ARTICLE	IF	CITATIONS
37	Expression and assembly of largest foreign protein in chloroplasts: oral delivery of human FVIII made in lettuce chloroplasts robustly suppresses inhibitor formation in haemophilia A mice. <i>Plant Biotechnology Journal</i> , 2018, 16, 1148-1160.	4.1	46
38	Long-term evaluation of mucosal and systemic immunity and protection conferred by different polio booster vaccines. <i>Vaccine</i> , 2017, 35, 5418-5425.	1.7	24
39	Expression and functional evaluation of biopharmaceuticals made in plant chloroplasts. <i>Current Opinion in Chemical Biology</i> , 2017, 38, 17-23.	2.8	50
40	Plant-based vaccines for oral delivery of type 1 diabetes-related autoantigens: Evaluating oral tolerance mechanisms and disease prevention in NOD mice. <i>Scientific Reports</i> , 2017, 7, 42372.	1.6	20
41	Oral Tolerance Induction in Hemophilia B Dogs Fed with Transplastomic Lettuce. <i>Molecular Therapy</i> , 2017, 25, 512-522.	3.7	54
42	<sc>PBJ</sc> is now a leading open access plant journal. <i>Plant Biotechnology Journal</i> , 2017, 15, 3-3.	4.1	0
43	Cold chain and virus-free chloroplast-made booster vaccine to confer immunity against different poliovirus serotypes. <i>Plant Biotechnology Journal</i> , 2016, 14, 2190-2200.	4.1	69
44	Oral Delivery of Protein Drugs Bioencapsulated in Plant Cells. <i>Molecular Therapy</i> , 2016, 24, 1342-1350.	3.7	73
45	Vaccination via Chloroplast Genetics: Affordable Protein Drugs for the Prevention and Treatment of Inherited or Infectious Human Diseases. <i>Annual Review of Genetics</i> , 2016, 50, 595-618.	3.2	59
46	PBJ is now an open access journal. <i>Plant Biotechnology Journal</i> , 2016, 14, 3-3.	4.1	1
47	Transcriptome analysis reveals a comprehensive insect resistance response mechanism in cotton to infestation by the phloem feeding insect <i>Bemisia tabaci</i> (whitefly). <i>Plant Biotechnology Journal</i> , 2016, 14, 1956-1975.	4.1	109
48	Editing Plant Genomes: a new era of crop improvement. <i>Plant Biotechnology Journal</i> , 2016, 14, 435-436.	4.1	31
49	Codon Optimization to Enhance Expression Yields Insights into Chloroplast Translation. <i>Plant Physiology</i> , 2016, 172, 62-77.	2.3	51
50	Topical delivery of low-cost protein drug candidates made in chloroplasts for biofilm disruption and uptake by oral epithelial cells. <i>Biomaterials</i> , 2016, 105, 156-166.	5.7	46
51	Plant-based oral vaccines against zoonotic and non-zoonotic diseases. <i>Plant Biotechnology Journal</i> , 2016, 14, 2079-2099.	4.1	64
52	Compartmentalized Metabolic Engineering for Artemisinin Biosynthesis and Effective Malaria Treatment by Oral Delivery of Plant Cells. <i>Molecular Plant</i> , 2016, 9, 1464-1477.	3.9	83
53	The Science of Gene Flow in Agriculture and Its Role in Coexistence. , 2016, , 13-37.		1
54	Chloroplast genomes: diversity, evolution, and applications in genetic engineering. <i>Genome Biology</i> , 2016, 17, 134.	3.8	1,013

#	ARTICLE	IF	CITATIONS
55	Low cost delivery of proteins bioencapsulated in plant cells to human non-immune or immune modulatory cells. <i>Biomaterials</i> , 2016, 80, 68-79.	5.7	50
56	Terpene metabolic engineering <i>via</i> nuclear or chloroplast genomes profoundly and globally impacts off-target pathways through metabolite signalling. <i>Plant Biotechnology Journal</i> , 2016, 14, 1862-1875.	4.1	29
57	Expression of β -glucosidase increases trichome density and artemisinin content in transgenic <i>Artemisia annua</i> plants. <i>Plant Biotechnology Journal</i> , 2016, 14, 1034-1045.	4.1	68
58	Oral delivery of Acid Alpha Glucosidase epitopes expressed in plant chloroplasts suppresses antibody formation in treatment of Pompe mice. <i>Plant Biotechnology Journal</i> , 2015, 13, 1023-1032.	4.1	51
59	Advances in molecular farming: key technologies, scaled up production and lead targets. <i>Plant Biotechnology Journal</i> , 2015, 13, 1011-1012.	4.1	26
60	Low cost oral delivery of protein drugs bioencapsulated in plant cells. <i>Plant Biotechnology Journal</i> , 2015, 13, 1017-1022.	4.1	64
61	Plant-based oral tolerance to hemophilia therapy employs a complex immune regulatory response including LAP+CD4+ T cells. <i>Blood</i> , 2015, 125, 2418-2427.	0.6	57
62	Editorial. <i>Plant Biotechnology Journal</i> , 2015, 13, 281-281.	4.1	0
63	Plant-made oral vaccines against human infectious diseases "Are we there yet?". <i>Plant Biotechnology Journal</i> , 2015, 13, 1056-1070.	4.1	116
64	Low cost industrial production of coagulation factor IX bioencapsulated in lettuce cells for oral tolerance induction in hemophilia B. <i>Biomaterials</i> , 2015, 70, 84-93.	5.7	124
65	The location and translocation of <i>ndh</i> genes of chloroplast origin in the Orchidaceae family. <i>Scientific Reports</i> , 2015, 5, 9040.	1.6	143
66	Engineered chloroplast dsRNA silences <i>cytochrome p450 monooxygenase</i> , <i>V</i> - <i>ATPase</i> and <i>chitin synthase</i> genes in the insect gut and disrupts <i>Helicoverpa armigera</i> larval development and pupation. <i>Plant Biotechnology Journal</i> , 2015, 13, 435-446.	4.1	144
67	The Engineered Chloroplast Genome Just Got Smarter. <i>Trends in Plant Science</i> , 2015, 20, 622-640.	4.3	142
68	Editorial. <i>Plant Biotechnology Journal</i> , 2015, 13, 1-1.	4.1	4
69	Altered lipid composition and enhanced lipid production in green microalga by introduction of brassica diacylglycerol acyltransferase 2. <i>Plant Biotechnology Journal</i> , 2015, 13, 540-550.	4.1	105
70	Activation of human mast cells by retrocyclin and protegrin highlight their immunomodulatory and antimicrobial properties. <i>Oncotarget</i> , 2015, 6, 28573-28587.	0.8	36
71	Factor IX Expressed in Lettuce Chloroplasts Induces Oral Tolerance in Hemophilia B Mice. <i>Blood</i> , 2015, 126, 292-292.	0.6	1
72	Suppression of inhibitor formation against FVIII in a murine model of hemophilia A by oral delivery of antigens bioencapsulated in plant cells. <i>Blood</i> , 2014, 124, 1659-1668.	0.6	94

#	ARTICLE	IF	CITATIONS
73	Oral Delivery of Angiotensin-Converting Enzyme 2 and Angiotensin-(1-7) Bioencapsulated in Plant Cells Attenuates Pulmonary Hypertension. <i>Hypertension</i> , 2014, 64, 1248-1259.	1.3	126
74	Oral Delivery of ACE2/Ang-(1-7) Bioencapsulated in Plant Cells Protects against Experimental Uveitis and Autoimmune Uveoretinitis. <i>Molecular Therapy</i> , 2014, 22, 2069-2082.	3.7	74
75	Oral Delivery of Bioencapsulated Proteins Across Blood-Brain and Blood-Retinal Barriers. <i>Molecular Therapy</i> , 2014, 22, 535-546.	3.7	70
76	Expression of β -tocopherol methyltransferase in chloroplasts results in massive proliferation of the inner envelope membrane and decreases susceptibility to salt and metal-induced oxidative stresses by reducing reactive oxygen species. <i>Plant Biotechnology Journal</i> , 2014, 12, 1274-1285.	4.1	68
77	How can plant genetic engineering contribute to cost-effective fish vaccine development for promoting sustainable aquaculture?. <i>Plant Molecular Biology</i> , 2013, 83, 33-40.	2.0	42
78	Oral delivery of human biopharmaceuticals, autoantigens and vaccine antigens bioencapsulated in plant cells. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 782-799.	6.6	149
79	Oral delivery of bioencapsulated exendin-4 expressed in chloroplasts lowers blood glucose level in mice and stimulates insulin secretion in beta-TC6 cells. <i>Plant Biotechnology Journal</i> , 2013, 11, 77-86.	4.1	84
80	Low Cost Tuberculosis Vaccine Antigens in Capsules: Expression in Chloroplasts, Bio-Encapsulation, Stability and Functional Evaluation In Vitro. <i>PLoS ONE</i> , 2013, 8, e54708.	1.1	108
81	Mechanism of oral tolerance induction to therapeutic proteins. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 759-773.	6.6	74
82	Expression of Fungal Cutinase and Swollenin in Tobacco Chloroplasts Reveals Novel Enzyme Functions and/or Substrates. <i>PLoS ONE</i> , 2013, 8, e57187.	1.1	36
83	Release of Proteins from Intact Chloroplasts Induced by Reactive Oxygen Species during Biotic and Abiotic Stress. <i>PLoS ONE</i> , 2013, 8, e67106.	1.1	41
84	Mechanism Of Oral Tolerance Induced By Bioencapsulated Coagulation Factor IX In Hemophilia B Mice. <i>Blood</i> , 2013, 122, 30-30.	0.6	1
85	Motif analysis unveils the possible co-regulation of chloroplast genes and nuclear genes encoding chloroplast proteins. <i>Plant Molecular Biology</i> , 2012, 80, 177-187.	2.0	3
86	Mapping the T helper cell response to acid β -glucosidase in Pompe mice. <i>Molecular Genetics and Metabolism</i> , 2012, 106, 189-195.	0.5	19
87	Chloroplast-Derived Therapeutic and Prophylactic Vaccines. , 2012, , 69-87.		1
88	Remodeling the isoprenoid pathway in tobacco by expressing the cytoplasmic mevalonate pathway in chloroplasts. <i>Metabolic Engineering</i> , 2012, 14, 19-28.	3.6	120
89	<i>Pinellia ternata</i> agglutinin expression in chloroplasts confers broad spectrum resistance against aphid, whitefly, <i>Lepidopteran</i> insects, bacterial and viral pathogens. <i>Plant Biotechnology Journal</i> , 2012, 10, 313-327.	4.1	68
90	Suppression of Inhibitor Formation Against Factor VIII in Hemophilia A Mice by Oral Delivery of Bioencapsulated Antigen. <i>Blood</i> , 2012, 120, 14-14.	0.6	2

#	ARTICLE	IF	CITATIONS
91	Complete Chloroplast Genome Sequence of an Orchid Model Plant Candidate: <i>Erycina pusilla</i> Apply in Tropical <i>Oncidium</i> Breeding. <i>PLoS ONE</i> , 2012, 7, e34738.	1.1	70
92	The Application of the Chloroplast Genome of <i>Oncidium</i> in Plant Identification and Breeding in <i>Oncidiinae</i> . , 2011, , 253-266.		0
93	Expression and characterization of antimicrobial peptides Retrocyclin [®] 101 and Protegrin [®] 1 in chloroplasts to control viral and bacterial infections. <i>Plant Biotechnology Journal</i> , 2011, 9, 100-115.	4.1	112
94	Low-cost production of proinsulin in tobacco and lettuce chloroplasts for injectable or oral delivery of functional insulin and C-peptide. <i>Plant Biotechnology Journal</i> , 2011, 9, 585-598.	4.1	136
95	Metallothionein expression in chloroplasts enhances mercury accumulation and phytoremediation capability. <i>Plant Biotechnology Journal</i> , 2011, 9, 609-617.	4.1	76
96	Preface: Chloroplast Biotechnology. <i>Plant Biotechnology Journal</i> , 2011, 9, 525-526.	4.1	1
97	Expression of dengue-3 premembrane and envelope polyprotein in lettuce chloroplasts. <i>Plant Molecular Biology</i> , 2011, 76, 323-333.	2.0	60
98	Plastid biotechnology for crop production: present status and future perspectives. <i>Plant Molecular Biology</i> , 2011, 76, 211-220.	2.0	81
99	Chloroplast biotechnology, genomics and evolution: current status, challenges and future directions. <i>Plant Molecular Biology</i> , 2011, 76, 207-209.	2.0	19
100	Phylogenomic evidence of bryophytes [™] monophyly using complete and incomplete data sets from chloroplast proteomes. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2011, 20, 288-292.	0.9	7
101	Evaluation of biolistic gene transfer methods in vivo using non-invasive bioluminescent imaging techniques. <i>BMC Biotechnology</i> , 2011, 11, 62.	1.7	16
102	Complete Plastid Genome Sequences of Three Rosids (<i>Castanea</i> , <i>Prunus</i> , <i>Theobroma</i>): Evidence for At Least Two Independent Transfers of <i>rpl22</i> to the Nucleus. <i>Molecular Biology and Evolution</i> , 2011, 28, 835-847.	3.5	203
103	Release of Hormones from Conjugates: Chloroplast Expression of β -Glucosidase Results in Elevated Phytohormone Levels Associated with Significant Increase in Biomass and Protection from Aphids or Whiteflies Conferred by Sucrose Esters. <i>Plant Physiology</i> , 2011, 155, 222-235.	2.3	94
104	Expression of <i>Trichoderma reesei</i> β -Mannanase in Tobacco Chloroplasts and Its Utilization in Lignocellulosic Woody Biomass Hydrolysis. <i>PLoS ONE</i> , 2011, 6, e29302.	1.1	44
105	Complete chloroplast genome of <i>Oncidium Gower Ramsey</i> and evaluation of molecular markers for identification and breeding in <i>Oncidiinae</i> . <i>BMC Plant Biology</i> , 2010, 10, 68.	1.6	161
106	Chloroplast-derived vaccine antigens confer dual immunity against cholera and malaria by oral or injectable delivery. <i>Plant Biotechnology Journal</i> , 2010, 8, 223-242.	4.1	153
107	Chloroplast-derived enzyme cocktails hydrolyse lignocellulosic biomass and release fermentable sugars. <i>Plant Biotechnology Journal</i> , 2010, 8, 332-350.	4.1	122
108	Transgenic perennial biofuel feedstocks and strategies for bioconfinement. <i>Biofuels</i> , 2010, 1, 163-176.	1.4	47

#	ARTICLE	IF	CITATIONS
109	The Role of Heterologous Chloroplast Sequence Elements in Transgene Integration and Expression. <i>Plant Physiology</i> , 2010, 152, 2088-2104.	2.3	212
110	Oral delivery of bioencapsulated coagulation factor IX prevents inhibitor formation and fatal anaphylaxis in hemophilia B mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7101-7106.	3.3	140
111	Genetic Modification in Dedicated Bioenergy Crops and Strategies for Gene Confinement. <i>Biotechnology in Agriculture and Forestry</i> , 2010, , 299-315.	0.2	6
112	The green vaccine: A global strategy to combat infectious and autoimmune diseases. <i>Hum Vaccin</i> , 2009, 5, 488-493.	2.4	48
113	Complete nucleotide sequence of <i>Dendrocalamus latiflorus</i> and <i>Bambusa oldhamii</i> chloroplast genomes. <i>Tree Physiology</i> , 2009, 29, 847-856.	1.4	74
114	Genetic engineering to enhance mercury phytoremediation. <i>Current Opinion in Biotechnology</i> , 2009, 20, 213-219.	3.3	125
115	Optimization of codon composition and regulatory elements for expression of human insulin like growth factor-1 in transgenic chloroplasts and evaluation of structural identity and function. <i>BMC Biotechnology</i> , 2009, 9, 33.	1.7	75
116	Plant-made vaccine antigens and biopharmaceuticals. <i>Trends in Plant Science</i> , 2009, 14, 669-679.	4.3	359
117	Chloroplast-Derived Vaccine Antigens and Biopharmaceuticals: Expression, Folding, Assembly and Functionality. <i>Current Topics in Microbiology and Immunology</i> , 2009, 332, 33-54.	0.7	63
118	Chloroplast-Derived Vaccine Antigens and Biopharmaceuticals: Protocols for Expression, Purification, or Oral Delivery and Functional Evaluation. <i>Methods in Molecular Biology</i> , 2009, 483, 163-192.	0.4	20
119	Oral Delivery of Bioencapsulated Factor IX Protects From Inhibitor Formation and Anaphylaxis in Protein Replacement Therapy for Hemophilia B.. <i>Blood</i> , 2009, 114, 222-222.	0.6	3
120	The complete nucleotide sequence of the cassava (<i>Manihot esculenta</i>) chloroplast genome and the evolution of <i>atpF</i> in Malpighiales: RNA editing and multiple losses of a group II intron. <i>Theoretical and Applied Genetics</i> , 2008, 116, 723-37.	1.8	96
121	Complete plastid genome sequence of the chickpea (<i>Cicer arietinum</i>) and the phylogenetic distribution of <i>rps12</i> and <i>clpP</i> intron losses among legumes (<i>Leguminosae</i>). <i>Molecular Phylogenetics and Evolution</i> , 2008, 48, 1204-1217.	1.2	214
122	A protocol for expression of foreign genes in chloroplasts. <i>Nature Protocols</i> , 2008, 3, 739-758.	5.5	132
123	<i>Arabidopsis</i> Tic40 Expression in Tobacco Chloroplasts Results in Massive Proliferation of the Inner Envelope Membrane and Upregulation of Associated Proteins. <i>Plant Cell</i> , 2008, 20, 3405-3417.	3.1	54
124	Effective Plague Vaccination via Oral Delivery of Plant Cells Expressing F1-V Antigens in Chloroplasts. <i>Infection and Immunity</i> , 2008, 76, 3640-3650.	1.0	120
125	Transgene containment by maternal inheritance: Effective or elusive?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6879-6880.	3.3	134
126	Analysis of 81 genes from 64 plastid genomes resolves relationships in angiosperms and identifies genome-scale evolutionary patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19369-19374.	3.3	1,016

#	ARTICLE	IF	CITATIONS
127	Chloroplast Vector Systems for Biotechnology Applications. <i>Plant Physiology</i> , 2007, 145, 1129-1143.	2.3	243
128	Phytoremediation of Mercury and Organomercurials in Chloroplast Transgenic Plants: Enhanced Root Uptake, Translocation to Shoots, and Volatilization. <i>Environmental Science & Technology</i> , 2007, 41, 8439-8446.	4.6	120
129	Plastid Pathways. , 2007, , 79-108.		4
130	Stable expression of Gal/GalNAc lectin of <i>Entamoeba histolytica</i> in transgenic chloroplasts and immunogenicity in mice towards vaccine development for amoebiasis. <i>Plant Biotechnology Journal</i> , 2007, 5, 230-239.	4.1	64
131	The complete nucleotide sequence of the coffee (<i>Coffea arabica</i> L.) chloroplast genome: organization and implications for biotechnology and phylogenetic relationships amongst angiosperms. <i>Plant Biotechnology Journal</i> , 2007, 5, 339-353.	4.1	90
132	Field production and functional evaluation of chloroplast-derived interferon- γ 2b. <i>Plant Biotechnology Journal</i> , 2007, 5, 511-525.	4.1	144
133	Expression of cholera toxin B β proinsulin fusion protein in lettuce and tobacco chloroplasts ? oral administration protects against development of insulinitis in non-obese diabetic mice. <i>Plant Biotechnology Journal</i> , 2007, 5, 495-510.	4.1	214
134	Complete chloroplast genome sequences of <i>Hordeum vulgare</i> , <i>Sorghum bicolor</i> and <i>Agrostis stolonifera</i> , and comparative analyses with other grass genomes. <i>Theoretical and Applied Genetics</i> , 2007, 115, 571-590.	1.8	194
135	Chloroplast Genetic Engineering Via Organogenesis or Somatic Embryogenesis. , 2006, 323, 245-262.		13
136	Chloroplast-derived anthrax and other vaccine antigens: their immunogenic and immunoprotective properties. <i>Expert Review of Vaccines</i> , 2006, 5, 839-849.	2.0	19
137	Novel pathways for glycoprotein import into chloroplasts. <i>Plant Biotechnology Journal</i> , 2006, 4, 275-279.	4.1	21
138	Production of biopharmaceuticals and vaccines in plants via the chloroplast genome. <i>Biotechnology Journal</i> , 2006, 1, 1071-1079.	1.8	163
139	Chloroplast Genetic Engineering. <i>Biotechnology Journal</i> , 2006, 1, 31-33.	1.8	6
140	Complete chloroplast genome sequences of <i>Solanum bulbocastanum</i> , <i>Solanum lycopersicum</i> and comparative analyses with other Solanaceae genomes. <i>Theoretical and Applied Genetics</i> , 2006, 112, 1503-1518.	1.8	157
141	Accumulation of sweet protein monellin is regulated by the psbA 5'UTR in tobacco chloroplasts. <i>Journal of Plant Biology</i> , 2006, 49, 34-43.	0.9	21
142	The complete chloroplast genome sequence of <i>Citrus sinensis</i> (L.) Osbeck var 'Ridge Pineapple': organization and phylogenetic relationships to other angiosperms. <i>BMC Plant Biology</i> , 2006, 6, 21.	1.6	194
143	Phylogenetic analyses of <i>Vitis</i> (Vitaceae) based on complete chloroplast genome sequences: effects of taxon sampling and phylogenetic methods on resolving relationships among rosids. <i>BMC Evolutionary Biology</i> , 2006, 6, 32.	3.2	230
144	Complete plastid genome sequence of <i>Daucus carota</i> : Implications for biotechnology and phylogeny of angiosperms. <i>BMC Genomics</i> , 2006, 7, 222.	1.2	87

#	ARTICLE	IF	CITATIONS
145	The complete chloroplast genome sequence of <i>Gossypium hirsutum</i> : organization and phylogenetic relationships to other angiosperms. <i>BMC Genomics</i> , 2006, 7, 61.	1.2	124
146	Receptor-mediated oral delivery of a bioencapsulated green fluorescent protein expressed in transgenic chloroplasts into the mouse circulatory system. <i>FASEB Journal</i> , 2006, 20, 959-961.	0.2	87
147	Plastid transformation in the monocotyledonous cereal crop, rice (<i>Oryza sativa</i>) and transmission of transgenes to their progeny. <i>Molecules and Cells</i> , 2006, 21, 401-10.	1.0	92
148	Chloroplast Genetic Engineering to Improve Agronomic Traits. , 2005, 286, 111-138.		75
149	OBPC Symposium: Maize 2004 & beyond—Recent advances in chloroplast genetic engineering. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2005, 41, 388-404.	0.9	3
150	Breakthrough in chloroplast genetic engineering of agronomically important crops. <i>Trends in Biotechnology</i> , 2005, 23, 238-245.	4.9	211
151	Particle bombardment and the genetic enhancement of crops: myths and realities. <i>Molecular Breeding</i> , 2005, 15, 305-327.	1.0	291
152	Complete Chloroplast Genome Sequence of <i>Glycine max</i> and Comparative Analyses with other Legume Genomes. <i>Plant Molecular Biology</i> , 2005, 59, 309-322.	2.0	255
153	Engineering Cytoplasmic Male Sterility via the Chloroplast Genome by Expression of Δ^2 -Ketothiolase. <i>Plant Physiology</i> , 2005, 138, 1232-1246.	2.3	157
154	Chloroplast Genetic Engineering: Recent Advances and Future Perspectives. <i>Critical Reviews in Plant Sciences</i> , 2005, 24, 83-107.	2.7	100
155	Characterization of Heterologous Multigene Operons in Transgenic Chloroplasts. <i>Transcription, Processing, and Translation</i> . <i>Plant Physiology</i> , 2005, 138, 1746-1762.	2.3	133
156	Plant-Based Vaccine: Mice Immunized with Chloroplast-Derived Anthrax Protective Antigen Survive Anthrax Lethal Toxin Challenge. <i>Infection and Immunity</i> , 2005, 73, 8266-8274.	1.0	193
157	Chloroplast-derived vaccine antigens and other therapeutic proteins. <i>Vaccine</i> , 2005, 23, 1779-1783.	1.7	136
158	Chloroplast Derived Antibodies, Biopharmaceuticals and Edible Vaccines. , 2005, , 113-133.		30
159	Enhanced translation of a chloroplast-expressed <i>RbcS</i> gene restores small subunit levels and photosynthesis in nuclear <i>RbcS</i> antisense plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6315-6320.	3.3	180
160	Chloroplast Genetic Engineering. , 2004, , 443-490.		29
161	Plastid-Expressed Betaine Aldehyde Dehydrogenase Gene in Carrot Cultured Cells, Roots, and Leaves Confers Enhanced Salt Tolerance. <i>Plant Physiology</i> , 2004, 136, 2843-2854.	2.3	356
162	Stable transformation of the cotton plastid genome and maternal inheritance of transgenes. <i>Plant Molecular Biology</i> , 2004, 56, 203-216.	2.0	197

#	ARTICLE	IF	CITATIONS
163	High-yield expression of a viral peptide animal vaccine in transgenic tobacco chloroplasts. <i>Plant Biotechnology Journal</i> , 2004, 2, 141-153.	4.1	151
164	Metabolic Engineering of the Chloroplast Genome Using the <i>E. coli</i> <i>ubiC</i> Gene Reveals That Chorismate Is a Readily Abundant Plant Precursor for p-Hydroxybenzoic Acid Biosynthesis. <i>Plant Physiology</i> , 2004, 136, 4048-4060.	2.3	96
165	Engineering the Chloroplast Genome for Hyperexpression of Human Therapeutic Proteins and Vaccine Antigens. , 2004, 267, 365-384.		53
166	Expression of <i>Bacillus anthracis</i> protective antigen in transgenic chloroplasts of tobacco, a non-food/feed crop. <i>Vaccine</i> , 2004, 22, 4374-4384.	1.7	150
167	Medical Molecular Pharming: Therapeutic Recombinant Antibodies, Biopharmaceuticals and Edible Vaccines in Transgenic Plants Engineered via the Chloroplast Genome. , 2004, , 705-710.		5
168	Accumulation of trehalose within transgenic chloroplasts confers drought tolerance. <i>Molecular Breeding</i> , 2003, 11, 1-13.	1.0	197
169	A chloroplast transgenic approach to hyper-express and purify Human Serum Albumin, a protein highly susceptible to proteolytic degradation. <i>Plant Biotechnology Journal</i> , 2003, 1, 71-79.	4.1	187
170	Jumping genes and containment. <i>Nature Biotechnology</i> , 2003, 21, 374-375.	9.4	23
171	Phytoremediation of Organomercurial Compounds via Chloroplast Genetic Engineering. <i>Plant Physiology</i> , 2003, 132, 1344-1352.	2.3	223
172	Medical Molecular Pharming: Expression of Antibodies, Biopharmaceuticals and Edible Vaccines via the Chloroplast Genome. , 2003, , 371-376.		7
173	Milestones in chloroplast genetic engineering: an environmentally friendly era in biotechnology. <i>Trends in Plant Science</i> , 2002, 7, 84-91.	4.3	339
174	Multigene engineering: dawn of an exciting new era in biotechnology. <i>Current Opinion in Biotechnology</i> , 2002, 13, 136-141.	3.3	120
175	Molecular strategies for gene containment in transgenic crops. <i>Nature Biotechnology</i> , 2002, 20, 581-586.	9.4	451
176	Engineering the Chloroplast Genome to Confer Stress Tolerance and Production of Pharmaceutical Proteins. , 2002, , 427-451.		1
177	Expression of the native cholera toxin B subunit gene and assembly as functional oligomers in transgenic tobacco chloroplasts ¹¹ Edited by N.-H. Chua. <i>Journal of Molecular Biology</i> , 2001, 311, 1001-1009.	2.0	384
178	Medical molecular farming: production of antibodies, biopharmaceuticals and edible vaccines in plants. <i>Trends in Plant Science</i> , 2001, 6, 219-226.	4.3	689
179	Antibiotic-free chloroplast genetic engineering "an environmentally friendly approach. <i>Trends in Plant Science</i> , 2001, 6, 237-239.	4.3	39
180	Expression of an Antimicrobial Peptide via the Chloroplast Genome to Control Phytopathogenic Bacteria and Fungi. <i>Plant Physiology</i> , 2001, 127, 852-862.	2.3	280

#	ARTICLE	IF	CITATIONS
181	Expression of an Antimicrobial Peptide via the Chloroplast Genome to Control Phytopathogenic Bacteria and Fungi. <i>Plant Physiology</i> , 2001, 127, 852-862.	2.3	40
182	Marker free transgenic plants: engineering the chloroplast genome without the use of antibiotic selection. <i>Current Genetics</i> , 2001, 39, 109-116.	0.8	172
183	Transformation of sweet potato tissues with green-fluorescent protein gene. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2001, 37, 648-653.	0.9	10
184	Overexpression of the Bt cry2Aa2 operon in chloroplasts leads to formation of insecticidal crystals. <i>Nature Biotechnology</i> , 2001, 19, 71-74.	9.4	542
185	Genetically Modified Food Crops: Current Concerns and Solutions for Next Generation Crops. <i>Biotechnology and Genetic Engineering Reviews</i> , 2000, 17, 327-352.	2.4	24
186	New tools for chloroplast genetic engineering. <i>Nature Biotechnology</i> , 1999, 17, 855-856.	9.4	32
187	Environmentally friendly approaches to genetic engineering. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 1999, 35, 361-368.	0.9	29
188	GM crops: public perception and scientific solutions. <i>Trends in Plant Science</i> , 1999, 4, 467-469.	4.3	40
189	Overexpression of the <i>Bacillus thuringiensis</i> (Bt) Cry2Aa2 protein in chloroplasts confers resistance to plants against susceptible and Bt-resistant insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 1840-1845.	3.3	290
190	Containment of herbicide resistance through genetic engineering of the chloroplast genome. <i>Nature Biotechnology</i> , 1998, 16, 345-348.	9.4	400
191	Chloroplast-transgenic plants: Panacea-No! Gene Containment-Yes!. <i>Nature Biotechnology</i> , 1998, 16, 602-602.	9.4	11
192	Hyperexpression of a Synthetic Protein-Based Polymer Gene. , 1997, 63, 359-372.		42
193	Transformation and Foreign Gene Expression in Plants Mediated by Microprojectile Bombardment. , 1997, 62, 463-490.		64
194	Title is missing!. <i>Biotechnology Letters</i> , 1997, 19, 395-400.	1.1	24
195	A 7.5-kbp region of the maize (T cytoplasm) mitochondrial genome contains a chloroplast-like trnI (CAT) pseudo gene and many short segments homologous to chloroplast and other known genes. <i>Current Genetics</i> , 1997, 32, 125-131.	0.8	11
196	Expression of a synthetic protein-based polymer (elastomer) gene in <i>Aspergillus nidulans</i> . <i>Applied Microbiology and Biotechnology</i> , 1997, 47, 368-372.	1.7	31
197	Expression of an environmentally friendly synthetic protein-based polymer gene in transgenic tobacco plants. <i>Plant Cell Reports</i> , 1996, 16, 174-179.	2.8	39
198	A comparative study on the transformation of <i>Aspergillus nidulans</i> by microprojectile bombardment of conidia and a more conventional procedure using protoplasts treated with polyethyleneglycol. <i>Applied Microbiology and Biotechnology</i> , 1996, 45, 333-337.	1.7	35

#	ARTICLE	IF	CITATIONS
199	Expression of an environmentally friendly synthetic protein-based polymer gene in transgenic tobacco plants. <i>Plant Cell Reports</i> , 1996, 16, 174-179.	2.8	0
200	Hyper expression of an environmentally friendly synthetic polymer gene. <i>Biotechnology Letters</i> , 1995, 17, 745-750.	1.1	65
201	Nuclear expression of an environmentally friendly synthetic protein based polymer gene in tobacco cells. <i>Biotechnology Letters</i> , 1995, 17, 1279.	1.1	12
202	Isolation and Characterization of an in Vitro DNA Replication System from Maize Mitochondria. <i>Biochemical and Biophysical Research Communications</i> , 1995, 208, 287-294.	1.0	13
203	In Vitro Replication of Cyanobacterial Plasmids from <i>Synechocystis</i> PCC 6803. <i>Plasmid</i> , 1994, 32, 195-207.	0.4	4
204	Engineering Plants for Stress Tolerance via Organelle Genomes. , 1994, , 589-604.		4
205	[38] Foreign gene expression in chloroplasts of higher plants mediated by tungsten particle bombardment. <i>Methods in Enzymology</i> , 1993, 217, 536-556.	0.4	50
206	When is it appropriate to cite?. <i>Plant Molecular Biology Reporter</i> , 1991, 9, 98-100.	1.0	0
207	Optimization of delivery of foreign DNA into higher-plant chloroplasts. <i>Plant Molecular Biology</i> , 1990, 15, 809-819.	2.0	126
208	Binding, uptake and expression of foreign DNA by cyanobacteria and isolated etioplasts. <i>Photosynthesis Research</i> , 1988, 19, 23-37.	1.6	3
209	An efficient and prolonged in vitro translational system from isolated cucumber etioplasts. <i>Biochemical and Biophysical Research Communications</i> , 1986, 135, 248-255.	1.0	9
210	Characterization of DNA uptake by the cyanobacterium <i>Anacystis nidulans</i> . <i>Molecular Genetics and Genomics</i> , 1986, 204, 243-248.	2.4	14
211	Oxygenic photoreduction of methyl viologen and nicotinamide adenine dinucleotide phosphate without the involvement of photosystem I during plastid development. <i>Biochemical and Biophysical Research Communications</i> , 1985, 126, 1114-1121.	1.0	3
212	Bioengineering of photosynthetic membranes. Requirement of magnesium for the conversion of chlorophyllidea to chlorophylla during the greening of etiochloroplastsin vitro. <i>Biotechnology and Bioengineering</i> , 1984, 26, 481-487.	1.7	14
213	Radioisotopic evidence for the polypeptides associated with photosystem II. <i>Biochemical and Biophysical Research Communications</i> , 1984, 125, 988-995.	1.0	3
214	In vitro synthesis of photosynthetic membranes: I. Development of photosystem I activity and cyclic photophosphorylation. <i>Biochemical and Biophysical Research Communications</i> , 1983, 111, 740-749.	1.0	11
215	Chloroplast culture IX chlorophyll(ide) a biosynthesis invitro at rates higher than inMvivo. <i>Biochemical and Biophysical Research Communications</i> , 1982, 106, 466-470.	1.0	23
216	Is direct spectrophotometric determination of chlorophyll in pigment extracts of tissues under different physiological conditions valid?. <i>Biochemical and Biophysical Research Communications</i> , 1982, 105, 698-704.	1.0	2

#	ARTICLE	IF	CITATIONS
217	Study of proton translocation in chloroplasts â€” A new approach. Biochemical and Biophysical Research Communications, 1982, 107, 1191-1197.	1.0	0
218	Chloroplast culture VIII a new effect of kinetin in enhancing the synthesis and accumulation of protochlorophyllide invitro. Biochemical and Biophysical Research Communications, 1982, 104, 837-843.	1.0	26
219	Site of electron acceptance by 3,6-dichloro-2,5-dimethoxy-p-benzoquinone and its relation to the bicarbonate effect on photosynthetic electron transport. Biochemical and Biophysical Research Communications, 1981, 102, 944-951.	1.0	4