

Ralph Bock

List of Publications by Year in descending order

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Version: 2024-02-01

242
papers

25,309
citations

7096

78
h-index

8396

147
g-index

256
all docs

256
docs citations

256
times ranked

18271
citing authors

#	ARTICLE	IF	CITATIONS
1	Riboswitch-mediated inducible expression of an astaxanthin biosynthetic operon in plastids. <i>Plant Physiology</i> , 2022, 188, 637-652.	4.8	20
2	Heterologous expression of <i>Bixa orellana</i> cleavage dioxygenase 4 ⁺ drives crocin but not bixin biosynthesis. <i>Plant Physiology</i> , 2022, 188, 1469-1482.	4.8	13
3	Chloroplast translational regulation uncovers nonessential photosynthesis genes as key players in plant cold acclimation. <i>Plant Cell</i> , 2022, 34, 2056-2079.	6.6	25
4	Comprehensive analysis of plastid gene expression during fruit development and ripening of kiwifruit. <i>Plant Cell Reports</i> , 2022, 41, 1103-1114.	5.6	5
5	Targeted introduction of heritable point mutations into the plant mitochondrial genome. <i>Nature Plants</i> , 2022, 8, 245-256.	9.3	25
6	Transplastomic approaches for metabolic engineering. <i>Current Opinion in Plant Biology</i> , 2022, 66, 102185.	7.1	11
7	Resistance to RNA interference by plant-derived double-stranded RNAs but not plant-derived short interfering RNAs in <i>Helicoverpa armigera</i> . <i>Plant, Cell and Environment</i> , 2022, 45, 1930-1941.	5.7	11
8	Efficient control of western flower thrips by plastid-mediated RNA interference. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2120081119.	7.1	26
9	Control of a sap-sucking insect pest by plastid-mediated RNA interference. <i>Molecular Plant</i> , 2022, 15, 1176-1191.	8.3	18
10	DNA base editing in nuclear and organellar genomes. <i>Trends in Genetics</i> , 2022, 38, 1147-1169.	6.7	14
11	De-etiolation-induced protein 1 (DEIP1) mediates assembly of the cytochrome b6f complex in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2022, 13, .	12.8	6
12	Engineering Metabolism in <i>Nicotiana</i> Species: A Promising Future. <i>Trends in Biotechnology</i> , 2021, 39, 901-913.	9.3	35
13	Improving plant drought tolerance and growth under water limitation through combinatorial engineering of signalling networks. <i>Plant Biotechnology Journal</i> , 2021, 19, 74-86.	8.3	31
14	Engineering Chloroplasts for High-Level Constitutive or Inducible Transgene Expression. <i>Methods in Molecular Biology</i> , 2021, 2317, 77-94.	0.9	10
15	Lycopene β -cyclase expression influences plant physiology, development, and metabolism in tobacco plants. <i>Journal of Experimental Botany</i> , 2021, 72, 2544-2569.	4.8	21
16	GUN control in retrograde signaling: How GENOMES UNCOUPLED proteins adjust nuclear gene expression to plastid biogenesis. <i>Plant Cell</i> , 2021, 33, 457-474.	6.6	53
17	Correction of frameshift mutations in the <i>atpB</i> gene by translational recoding in chloroplasts of <i>Oenothera</i> and tobacco. <i>Plant Cell</i> , 2021, 33, 1682-1705.	6.6	6
18	Chloroplast Transformation in <i>Arabidopsis</i> . <i>Current Protocols</i> , 2021, 1, e103.	2.9	8

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19	Synergistic action of the gut microbiota in environmental RNA interference in a leaf beetle. <i>Microbiome</i> , 2021, 9, 98.	11.1	31
20	A photosynthesis operon in the chloroplast genome drives speciation in evening primroses. <i>Plant Cell</i> , 2021, 33, 2583-2601.	6.6	21
21	Hepatitis C virus E2 envelope glycoprotein produced in <i>Nicotiana benthamiana</i> triggers humoral response with virus-neutralizing activity in vaccinated mice. <i>Plant Biotechnology Journal</i> , 2021, 19, 2027-2039.	8.3	8
22	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.	8.3	31
23	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.	8.3	44
24	Knockdown of the plastid-encoded acetyl-CoA carboxylase gene uncovers functions in metabolism and development. <i>Plant Physiology</i> , 2021, 185, 1091-1110.	4.8	15
25	Horizontal genome transfer by cell-to-cell travel of whole organelles. <i>Science Advances</i> , 2021, 7, .	10.3	42
26	Plastid Transformation in Tomato: A Vegetable Crop and Model Species. <i>Methods in Molecular Biology</i> , 2021, 2317, 217-228.	0.9	2
27	The availability of neither D2 nor CP43 limits the biogenesis of photosystem II in tobacco. <i>Plant Physiology</i> , 2021, 185, 1111-1130.	4.8	6
28	Curvature thylakoid 1 proteins modulate prolamellar body morphology and promote organized thylakoid biogenesis in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	18
29	Topology of the redox network during induction of photosynthesis as revealed by time-resolved proteomics in tobacco. <i>Science Advances</i> , 2021, 7, eabi8307.	10.3	27
30	In-depth characterization of <i>Trichoderma reesei</i> cellobiohydrolase <i>TrCel7A</i> produced in <i>Nicotiana benthamiana</i> reveals limitations of cellulase production in plants by host-specific post-translational modifications. <i>Plant Biotechnology Journal</i> , 2020, 18, 631-643.	8.3	13
31	Length-dependent accumulation of double-stranded RNAs in plastids affects RNA interference efficiency in the Colorado potato beetle. <i>Journal of Experimental Botany</i> , 2020, 71, 2670-2677.	4.8	48
32	Chloroplast nucleoids are highly dynamic in ploidy, number, and structure during angiosperm leaf development. <i>Plant Journal</i> , 2020, 102, 730-746.	5.7	43
33	Limited Responsiveness of Chloroplast Gene Expression during Acclimation to High Light in Tobacco. <i>Plant Physiology</i> , 2020, 182, 424-435.	4.8	36
34	Multi-gene metabolic engineering of tomato plants results in increased fruit yield up to 23%. <i>Scientific Reports</i> , 2020, 10, 17219.	3.3	15
35	An epigenetic gene silencing pathway selectively acting on transgenic DNA in the green alga <i>Chlamydomonas</i> . <i>Nature Communications</i> , 2020, 11, 6269.	12.8	58
36	Expression of a carotenogenic gene allows faster biomass production by redesigning plant architecture and improving photosynthetic efficiency in tobacco. <i>Plant Journal</i> , 2020, 103, 1967-1984.	5.7	39

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37	Accumulation of the RNA polymerase subunit RpoB depends on RNA editing by OsPPR16 and affects chloroplast development during early leaf development in rice. <i>New Phytologist</i> , 2020, 228, 1401-1416.	7.3	25
38	Expanding the genome-targeting scope and the site selectivity of high-precision base editors. <i>Nature Communications</i> , 2020, 11, 629.	12.8	52
39	The Functions of Chloroplast Glutamyl-tRNA in Translation and Tetrapyrrole Biosynthesis. <i>Plant Physiology</i> , 2020, 183, 263-276.	4.8	13
40	Photosynthesis without β -carotene. <i>ELife</i> , 2020, 9, .	6.0	30
41	A highly efficient sulfadiazine selection system for the generation of transgenic plants and algae. <i>Plant Biotechnology Journal</i> , 2019, 17, 638-649.	8.3	41
42	Engineering of high-precision base editors for site-specific single nucleotide replacement. <i>Nature Communications</i> , 2019, 10, 439.	12.8	119
43	Rapid functional activation of a horizontally transferred eukaryotic gene in a bacterial genome in the absence of selection. <i>Nucleic Acids Research</i> , 2019, 47, 6351-6359.	14.5	7
44	Extensive Posttranscriptional Regulation of Nuclear Gene Expression by Plastid Retrograde Signals. <i>Plant Physiology</i> , 2019, 180, 2034-2048.	4.8	24
45	Control of retrograde signalling by protein import and cytosolic folding stress. <i>Nature Plants</i> , 2019, 5, 525-538.	9.3	109
46	Chloroplast competition is controlled by lipid biosynthesis in evening primroses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5665-5674.	7.1	39
47	Highly Resolved Systems Biology to Dissect the Etioplast-to-Chloroplast Transition in Tobacco Leaves. <i>Plant Physiology</i> , 2019, 180, 654-681.	4.8	51
48	OrganellarGenomeDRAW (OGDRAW) version 1.3.1: expanded toolkit for the graphical visualization of organellar genomes. <i>Nucleic Acids Research</i> , 2019, 47, W59-W64.	14.5	1,157
49	Generation of virus-resistant potato plants by scp RNA genome targeting. <i>Plant Biotechnology Journal</i> , 2019, 17, 1814-1822.	8.3	129
50	High-efficiency generation of fertile transplastomic <i>Arabidopsis</i> plants. <i>Nature Plants</i> , 2019, 5, 282-289.	9.3	65
51	Establishment of a Heterologous RNA Editing Event in Chloroplasts. <i>Plant Physiology</i> , 2019, 181, 891-900.	4.8	13
52	<i>Arabidopsis</i> TRM5 encodes a nuclear-localised bifunctional tRNA guanine and inosine-N1-methyltransferase that is important for growth. <i>PLoS ONE</i> , 2019, 14, e0225064.	2.5	14
53	Recent Advances and Current Challenges in Synthetic Biology of the Plastid Genetic System and Metabolism. <i>Plant Physiology</i> , 2019, 179, 794-802.	4.8	45
54	Production of tetravalent dengue virus envelope protein domain III based antigens in lettuce chloroplasts and immunologic analysis for future oral vaccine development. <i>Plant Biotechnology Journal</i> , 2019, 17, 1408-1417.	8.3	31

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55	The assembly pathway of complex I in <i>Arabidopsis thaliana</i> . Plant Journal, 2019, 97, 447-459.	5.7	84
56	The plastid NAD(P)H dehydrogenase-like complex: structure, function and evolutionary dynamics. Biochemical Journal, 2019, 476, 2743-2756.	3.7	22
57	Title is missing!. , 2019, 14, e0225064.		0
58	Title is missing!. , 2019, 14, e0225064.		0
59	Title is missing!. , 2019, 14, e0225064.		0
60	Title is missing!. , 2019, 14, e0225064.		0
61	Title is missing!. , 2019, 14, e0225064.		0
62	Title is missing!. , 2019, 14, e0225064.		0
63	Chloroplast Translation: Structural and Functional Organization, Operational Control, and Regulation. Plant Cell, 2018, 30, 745-770.	6.6	191
64	Chloroplast Signaling Gates Thermotolerance in Arabidopsis. Cell Reports, 2018, 22, 1657-1665.	6.4	80
65	Control of Retrograde Signaling by Rapid Turnover of GENOMES UNCOUPLED1. Plant Physiology, 2018, 176, 2472-2495.	4.8	71
66	Stabilization and translation of synthetic operonâ€derived <i>mRNA</i> s in chloroplasts by sequences representing <i>PPR</i> proteinâ€binding sites. Plant Journal, 2018, 94, 8-21.	5.7	40
67	CMS-G from <i>Beta vulgaris</i> ssp. <i>maritima</i> is maintained in natural populations despite containing an atypical cytochrome <i>c</i> oxidase. Biochemical Journal, 2018, 475, 759-773.	3.7	12
68	Revisiting the Role of Xanthophylls in Nonphotochemical Quenching. Journal of Physical Chemistry Letters, 2018, 9, 346-352.	4.6	36
69	Absence of Complex I Is Associated with Diminished Respiratory Chain Function in European Mistletoe. Current Biology, 2018, 28, 1614-1619.e3.	3.9	62
70	Plastid transformation and its application in metabolic engineering. Current Opinion in Biotechnology, 2018, 49, 10-15.	6.6	73
71	Temporal Proteomics of Inducible RNAi Lines of Clp Protease Subunits Identifies Putative Protease Substrates. Plant Physiology, 2018, 176, 1485-1508.	4.8	37
72	High-level expression of the HIV entry inhibitor griffithsin from the plastid genome and retention of biological activity in dried tobacco leaves. Plant Molecular Biology, 2018, 97, 357-370.	3.9	26

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73	Transcriptome and metabolome analyses provide insights into root and root-released organic anion responses to phosphorus deficiency in oat. <i>Journal of Experimental Botany</i> , 2018, 69, 3759-3771.	4.8	42
74	Replication of bacterial plasmids in the nucleus of the red alga <i>Porphyridium purpureum</i> . <i>Nature Communications</i> , 2018, 9, 3451.	12.8	22
75	Transcriptome analysis highlights nuclear control of chloroplast development in the shoot apex. <i>Scientific Reports</i> , 2018, 8, 8881.	3.3	12
76	Regulation of ascorbate biosynthesis in green algae has evolved to enable rapid stress-induced response via the <i>VTC2</i> gene encoding GDP-galactose phosphorylase. <i>New Phytologist</i> , 2017, 214, 668-681.	7.3	47
77	Identification and characterization of a stable intermediate in photosystem I assembly in tobacco. <i>Plant Journal</i> , 2017, 90, 478-490.	5.7	21
78	Lettuce-produced hepatitis C virus E1E2 heterodimer triggers immune responses in mice and antibody production after oral vaccination. <i>Plant Biotechnology Journal</i> , 2017, 15, 1611-1621.	8.3	41
79	GeSeq—versatile and accurate annotation of organelle genomes. <i>Nucleic Acids Research</i> , 2017, 45, W6-W11.	14.5	1,964
80	Generation and characterization of a collection of knock-down lines for the chloroplast Clp protease complex in tobacco. <i>Journal of Experimental Botany</i> , 2017, 68, 2199-2218.	4.8	31
81	Horizontal Transfer of a Synthetic Metabolic Pathway between Plant Species. <i>Current Biology</i> , 2017, 27, 3034-3041.e3.	3.9	62
82	Witnessing Genome Evolution: Experimental Reconstruction of Endosymbiotic and Horizontal Gene Transfer. <i>Annual Review of Genetics</i> , 2017, 51, 1-22.	7.6	69
83	Next-Generation Insect-Resistant Plants: RNAi-Mediated Crop Protection. <i>Trends in Biotechnology</i> , 2017, 35, 871-882.	9.3	249
84	The plastid-encoded Psal subunit stabilizes photosystem I during leaf senescence in tobacco. <i>Journal of Experimental Botany</i> , 2017, 68, 1137-1155.	4.8	31
85	Different carotenoid conformations have distinct functions in light-harvesting regulation in plants. <i>Nature Communications</i> , 2017, 8, 1994.	12.8	83
86	Loopholes for smuggling DNA into pollen. <i>Nature Plants</i> , 2017, 3, 918-919.	9.3	7
87	Shine-Dalgarno Sequences Play an Essential Role in the Translation of Plastid mRNAs in Tobacco. <i>Plant Cell</i> , 2017, 29, 3085-3101.	6.6	40
88	METHYLENE BLUE SENSITIVITY 1 (MBS1) is required for acclimation of <i>Arabidopsis</i> to singlet oxygen and acts downstream of H_2O_2 cyclocitral. <i>Plant, Cell and Environment</i> , 2017, 40, 216-226.	5.7	76
89	A bifunctional aminoglycoside acetyltransferase/phosphotransferase conferring tobramycin resistance provides an efficient selectable marker for plastid transformation. <i>Plant Molecular Biology</i> , 2017, 93, 269-281.	3.9	20
90	An assay for entry of secreted fungal effectors into plant cells. <i>New Phytologist</i> , 2017, 213, 956-964.	7.3	25

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91	Comparison of mitochondrial gene expression and polysome loading in different tobacco tissues. <i>Plant Methods</i> , 2017, 13, 112.	4.3	3
92	In vivo Assembly in Escherichia coli of Transformation Vectors for Plastid Genome Engineering. <i>Frontiers in Plant Science</i> , 2017, 8, 1454.	3.6	26
93	A new synthetic biology approach allows transfer of an entire metabolic pathway from a medicinal plant to a biomass crop. <i>ELife</i> , 2016, 5, .	6.0	148
94	Spontaneous Chloroplast Mutants Mostly Occur by Replication Slippage and Show a Biased Pattern in the Plastome of <i>Oenothera</i> . <i>Plant Cell</i> , 2016, 28, 911-929.	6.6	49
95	Production of dengue virus envelope protein domain III-based antigens in tobacco chloroplasts using inducible and constitutive expression systems. <i>Plant Molecular Biology</i> , 2016, 91, 497-512.	3.9	33
96	l-Galactono-1,4-lactone dehydrogenase is an assembly factor of the membrane arm of mitochondrial complex I in Arabidopsis. <i>Plant Molecular Biology</i> , 2016, 90, 117-126.	3.9	88
97	Lighting the Way to Protein-Protein Interactions: Recommendations on Best Practices for Bimolecular Fluorescence Complementation Analyses. <i>Plant Cell</i> , 2016, 28, 1002-1008.	6.6	151
98	Efficient expression of nuclear transgenes in the green alga <i>Chlamydomonas</i> : synthesis of an HIV antigen and development of a new selectable marker. <i>Plant Molecular Biology</i> , 2016, 90, 403-418.	3.9	83
99	Transfer of the cytochrome P450-dependent dhurrin pathway from <i>Sorghum bicolor</i> into <i>Nicotiana tabacum</i> chloroplasts for light-driven synthesis. <i>Journal of Experimental Botany</i> , 2016, 67, 2495-2506.	4.8	57
100	Dissecting the contributions of $\langle \text{sc} \rangle \text{GC} \langle \text{sc} \rangle$ content and codon usage to gene expression in the model alga <i>Chlamydomonas reinhardtii</i> . <i>Plant Journal</i> , 2015, 84, 704-717.	5.7	113
101	Multiple RNA Processing Defects and Impaired Chloroplast Function in Plants Deficient in the Organellar Protein-Only RNase P Enzyme. <i>PLoS ONE</i> , 2015, 10, e0120533.	2.5	19
102	Complete Mitochondrial Complex I Deficiency Induces an Up-Regulation of Respiratory Fluxes That Is Abolished by Traces of Functional Complex I. <i>Plant Physiology</i> , 2015, 168, 1537-1549.	4.8	113
103	Global Analysis of the Role of Autophagy in Cellular Metabolism and Energy Homeostasis in Arabidopsis Seedlings under Carbon Starvation. <i>Plant Cell</i> , 2015, 27, 306-322.	6.6	166
104	Full crop protection from an insect pest by expression of long double-stranded RNAs in plastids. <i>Science</i> , 2015, 347, 991-994.	12.6	353
105	Redesigning photosynthesis to sustainably meet global food and bioenergy demand. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8529-8536.	7.1	751
106	Photosynthetic Membranes of Synechocystis or Plants Convert Sunlight to Photocurrent through Different Pathways due to Different Architectures. <i>PLoS ONE</i> , 2015, 10, e0122616.	2.5	26
107	The Conserved Endoribonuclease YbeY Is Required for Chloroplast Ribosomal RNA Processing in Arabidopsis. <i>Plant Physiology</i> , 2015, 168, 205-221.	4.8	49
108	Boosting riboswitch efficiency by RNA amplification. <i>Nucleic Acids Research</i> , 2015, 43, e66-e66.	14.5	53

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109	Why are most organelle genomes transmitted maternally?. <i>BioEssays</i> , 2015, 37, 80-94.	2.5	234
110	Engineering Plastid Genomes: Methods, Tools, and Applications in Basic Research and Biotechnology. <i>Annual Review of Plant Biology</i> , 2015, 66, 211-241.	18.7	282
111	Plastid Transformation in Tomato. <i>Methods in Molecular Biology</i> , 2014, 1132, 265-276.	0.9	11
112	The Translational Apparatus of Plastids and Its Role in Plant Development. <i>Molecular Plant</i> , 2014, 7, 1105-1120.	8.3	208
113	Chloroplast DNA in Mature and Senescing Leaves: A Reappraisal. <i>Plant Cell</i> , 2014, 26, 847-854.	6.6	65
114	Inducible Repression of Nuclear-Encoded Subunits of the Cytochrome b6f Complex in Tobacco Reveals an Extraordinarily Long Lifetime of the Complex. <i>Plant Physiology</i> , 2014, 165, 1632-1646.	4.8	41
115	Genetic engineering of the chloroplast: novel tools and new applications. <i>Current Opinion in Biotechnology</i> , 2014, 26, 7-13.	6.6	111
116	The vacuolar calcium sensors <i>CBL2</i> and <i>CBL3</i> affect seed size and embryonic development in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2014, 78, 146-156.	5.7	46
117	Synthetic biology in plastids. <i>Plant Journal</i> , 2014, 78, 783-798.	5.7	96
118	Identification of Enzymes for Adenosine-to-Inosine Editing and Discovery of Cytidine-to-Uridine Editing in Nucleus-Encoded Transfer RNAs of <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2014, 166, 1985-1997.	4.8	49
119	Systems Analysis of the Response of Photosynthesis, Metabolism, and Growth to an Increase in Irradiance in the Photosynthetic Model Organism <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2014, 26, 2310-2350.	6.6	123
120	RBF1, a Plant Homolog of the Bacterial Ribosome-Binding Factor RbfA, Acts in Processing of the Chloroplast 16S Ribosomal RNA. <i>Plant Physiology</i> , 2014, 164, 201-215.	4.8	48
121	Synthetic Lethality in the Tobacco Plastid Ribosome and Its Rescue at Elevated Growth Temperatures. <i>Plant Cell</i> , 2014, 26, 765-776.	6.6	24
122	Horizontal genome transfer as an asexual path to the formation of new species. <i>Nature</i> , 2014, 511, 232-235.	27.8	146
123	Engineering Chloroplasts for High-Level Foreign Protein Expression. <i>Methods in Molecular Biology</i> , 2014, 1132, 93-106.	0.9	29
124	The Diurnal Logic of the Expression of the Chloroplast Genome in <i>Chlamydomonas reinhardtii</i> . <i>PLoS ONE</i> , 2014, 9, e108760.	2.5	20
125	OrganelleGenomeDRAW: a suite of tools for generating physical maps of plastid and mitochondrial genomes and visualizing expression data sets. <i>Nucleic Acids Research</i> , 2013, 41, W575-W581.	14.5	1,408
126	Tuning a genome: the evolution and adaptation of nuclear and organellar genomes in plants. <i>BioEssays</i> , 2013, 35, 354-365.	2.5	141

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127	Dual targeting of a mature plastoglobulin/fibrillin fusion protein to chloroplast plastoglobules and thylakoids in transplastomic tobacco plants. <i>Plant Molecular Biology</i> , 2013, 81, 13-25.	3.9	43
128	Design of chimeric expression elements that confer high-level gene activity in chromoplasts. <i>Plant Journal</i> , 2013, 73, 368-379.	5.7	53
129	Efficient metabolic pathway engineering in transgenic tobacco and tomato plastids with synthetic multigene operons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E623-32.	7.1	179
130	A Mediator of Singlet Oxygen Responses in <i>Chlamydomonas reinhardtii</i> and <i>Arabidopsis</i> Identified by a Luciferase-Based Genetic Screen in Algal Cells. <i>Plant Cell</i> , 2013, 25, 4209-4226.	6.6	82
131	Strategies for metabolic pathway engineering with multiple transgenes. <i>Plant Molecular Biology</i> , 2013, 83, 21-31.	3.9	84
132	Reverse genetics in complex multigene operons by co-transformation of the plastid genome and its application to the open reading frame previously designated <i>psbN</i> . <i>Plant Journal</i> , 2013, 75, 1062-1074.	5.7	33
133	Importance of adenosine-to-inosine editing adjacent to the anticodon in an <i>Arabidopsis</i> alanine tRNA under environmental stress. <i>Nucleic Acids Research</i> , 2013, 41, 3362-3372.	14.5	26
134	The Contributions of Wobbling and Superwobbling to the Reading of the Genetic Code. <i>PLoS Genetics</i> , 2012, 8, e1003076.	3.5	90
135	Evolutionary constraints on the plastid tRNA set decoding methionine and isoleucine. <i>Nucleic Acids Research</i> , 2012, 40, 6713-6724.	14.5	50
136	LCAA, a Novel Factor Required for Magnesium Protoporphyrin Monomethylester Cyclase Accumulation and Feedback Control of Aminolevulinic Acid Biosynthesis in Tobacco. <i>Plant Physiology</i> , 2012, 160, 1923-1939.	4.8	50
137	Horizontal transfer of chloroplast genomes between plant species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2434-2438.	7.1	246
138	The Plastid Genome-Encoded Ycf4 Protein Functions as a Nonessential Assembly Factor for Photosystem I in Higher Plants. <i>Plant Physiology</i> , 2012, 159, 579-591.	4.8	79
139	Genetic Transformation of the Model Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Methods in Molecular Biology</i> , 2012, 847, 35-47.	0.9	38
140	The plastid-specific ribosomal proteins of <i>Arabidopsis thaliana</i> can be divided into nonessential proteins and genuine ribosomal proteins. <i>Plant Journal</i> , 2012, 69, 302-316.	5.7	114
141	Experimental Reconstruction of the Functional Transfer of Intron-Containing Plastid Genes to the Nucleus. <i>Current Biology</i> , 2012, 22, 763-771.	3.9	33
142	Identification of <i>cis</i> -elements conferring high levels of gene expression in non-green plastids. <i>Plant Journal</i> , 2012, 72, 115-128.	5.7	60
143	In Vivo Analysis of RNA Editing in Plastids. <i>Methods in Molecular Biology</i> , 2011, 718, 137-150.	0.9	7
144	Photosystem I: Its biogenesis and function in higher plants. <i>Journal of Plant Physiology</i> , 2011, 168, 1452-1461.	3.5	82

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145	Optimization of the expression of the HIV fusion inhibitor cyanovirin-N from the tobacco plastid genome. <i>Plant Biotechnology Journal</i> , 2011, 9, 599-608.	8.3	57
146	Immunogenicity of chloroplast-derived HIV-1 p24 and a p24-Nef fusion protein following subcutaneous and oral administration in mice. <i>Plant Biotechnology Journal</i> , 2011, 9, 629-638.	8.3	38
147	Biolistic co-transformation of the nuclear and plastid genomes. <i>Plant Journal</i> , 2011, 67, 941-948.	5.7	33
148	Chloramphenicol acetyltransferase as selectable marker for plastid transformation. <i>Plant Molecular Biology</i> , 2011, 76, 443-451.	3.9	60
149	High-level expression of a suite of thermostable cell wall-degrading enzymes from the chloroplast genome. <i>Plant Molecular Biology</i> , 2011, 76, 311-321.	3.9	80
150	Alteration of mitochondrial protein complexes in relation to metabolic regulation under short-term oxidative stress in <i>Arabidopsis</i> seedlings. <i>Phytochemistry</i> , 2011, 72, 1081-1091.	2.9	66
151	Selection of Shine-Dalgarno sequences in plastids. <i>Nucleic Acids Research</i> , 2011, 39, 1427-1438.	14.5	57
152	Elimination of a group II intron from a plastid gene causes a mutant phenotype. <i>Nucleic Acids Research</i> , 2011, 39, 5181-5192.	14.5	32
153	Unraveling the Evolution of Auxin Signaling. <i>Plant Physiology</i> , 2011, 155, 209-221.	4.8	140
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