Daniel Kliebenstein

List of Articles by Year in descending order

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193 peer-reviewed articles	15,978 peer-reviewed citations	15157 65 peer-reviewed h-index	50551 6.85 score
214 documents	18596 doc citations	16322 69 h-index	25815 citing authors

#	Article	IF	Citations
1	Allopolyploidy expanded gene content but not pangenomic variation in the hexaploid oilseed Camelina sativa. Genetics, 2025, 229, .	3.3	13
2	Phylogenetic and genomic mechanisms shaping glucosinolate innovation. Current Opinion in Plant Biology, 2025, 85, 102705.	4.4	17
3	Targeted MYC2 stabilization confers citrus Huanglongbing resistance. Science, 2025, 388, 191-198.	26.1	118
4	Molecular evolution of a reproductive barrier in maize and related species. Genetics, 2025, 230, .	3.3	1
5	Polygenic strategies for host-specific and general virulence of Botrytis cinerea across diverse eudicot hosts. Genetics, 2025, 230, .	3.3	4
6	Trans -regulatory loci shape natural variation of gene expression plasticity in Arabidopsis. Genetics, 2025, 230, .	3.3	6
7	An effluent pump family distributed across plant commensal bacteria conditions host- and organ-specific glucosinolate detoxification. Nature Communications, 2025, 16, .	10.8	12
8	Partial disruption of the Arabidopsis 2S seed storage proteins highlights the essential role of redox homeostasis in seed proteome plasticity and rebalancing. Plant Science, 2025, 360, 112714.	3.0	1
9	Large-scale identification of novel transcriptional regulators of the aliphatic glucosinolate pathway in Arabidopsis. Journal of Experimental Botany, 2024, 75, 300-315.	3.7	12
10	Specificity and breadth of plant specialized metabolite–microbe interactions. Current Opinion in Plant Biology, 2024, 77, 102459.	4.4	16
11	Complementing model species with model clades. Plant Cell, 2024, 36, 1205-1226.	5.8	21
12	Genetic and molecular landscapes of the generalist phytopathogen Botrytis cinerea. Molecular Plant Pathology, 2024, 25, .	3.1	65
13	Attenuation of phytofungal pathogenicity of Ascomycota by autophagy modulators. Nature Communications, 2024, 15, .	10.8	14
14	Microbial terroir: associations between soil microbiomes and the flavor chemistry of mustard (Brassica juncea). New Phytologist, 2024, 243, 1951-1965.	5.3	22
15	Leaf abaxial and adaxial surfaces differentially affect the interaction of Botrytis cinerea across several eudicots. Plant Journal, 2024, 120, 1377-1391.	3.9	7
16	Better living through phytochemistry: “Phytoavengins” and reappraising the production-focused dichotomy for defensive phytochemicals. Physiological and Molecular Plant Pathology, 2023, 125, 101978.	2.4	19
17	Causes of Mutation Rate Variability in Plant Genomes. Annual Review of Plant Biology, 2023, 74, 751-775.	14.2	40
18	Is specialized metabolite regulation specialized?. Journal of Experimental Botany, 2023, 74, 4942-4948.	3.7	15

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19	Polygenic pathogen networks influence transcriptional plasticity in the Arabidopsis–Botrytis pathosystem. Genetics, 2023, 224, .	3.3	9
20	Epigenomic divergence correlates with sequence polymorphism in Arabidopsis paralogs. New Phytologist, 2023, 240, 1292-1304.	5.3	11
21	Mutation bias reflects natural selection in Arabidopsis thaliana. Nature, 2022, 602, 101-105.	30.7	373
22	Plant Responses Underlying Timely Specialized Metabolites Induction of Brassica Crops. Frontiers in Plant Science, 2022, 12, .	3.0	12
23	A plant balancing act: Meshing new and existing metabolic pathways towards an optimized system. Current Opinion in Plant Biology, 2022, 66, 102173.	4.4	10
24	Exciting times in plant biotic interactions. Plant Cell, 2022, 34, 1421-1424.	5.8	4
25	The ease and complexity of identifying and using specialized metabolites for crop engineering. Emerging Topics in Life Sciences, 2022, 6, 153-162.	2.9	8
26	Integrated omics reveal novel functions and underlying mechanisms of the receptor kinase FERONIA inArabidopsis thaliana. Plant Cell, 2022, 34, 2594-2614.	5.8	52
27	Genetic variation underlying differential ammonium and nitrate responses in Arabidopsis thaliana. Plant Cell, 2022, 34, 4696-4713.	5.8	28
28	Red-light is an environmental effector for mutualism between begomovirus and its vector whitefly. PLoS Pathogens, 2021, 17, e1008770.	2.9	54
29	Genome size evolution is associated with climate seasonality and glucosinolates, but not life history, soil nutrients or range size, across a clade of mustards. Annals of Botany, 2021, 127, 887-902.	2.1	40
30	Fine mapping identifies NAD-ME1 as a candidate underlying a major locus controlling temporal variation in primary and specialized metabolism in Arabidopsis. Plant Journal, 2021, 106, 454-467.	3.9	13
31	The Arabidopsis thaliana nucleotide sugar transporter GONST2 is a functional homolog of GONST1. Plant Direct, 2021, 5, .	1.6	17
32	Quantitative interactions: the disease outcome of Botrytis cinerea across the plant kingdom. G3: Genes, Genomes, Genetics, 2021, 11, .	1.4	62
33	Innovation, conservation, and repurposing of gene function in root cell type development. Cell, 2021, 184, 3333-3348.e19.	23.4	111
34	A reevaluation of the role of the ASIL trihelix transcription factors as repressors of the seed maturation program. Plant Direct, 2021, 5, .	1.6	9
35	A genome-scale TF–DNA interaction network of transcriptional regulation of Arabidopsis primary and specialized metabolism. Molecular Systems Biology, 2021, 17, .	3.6	35
36	Pathogen Genetic Control of Transcriptome Variation in the Arabidopsis thaliana – Botrytis cinerea Pathosystem. Genetics, 2020, 215, 253-266.	3.3	31

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37	Using networks to identify and interpret natural variation. Current Opinion in Plant Biology, 2020, 54, 122-126.	4.4	6
38	flasher, a novel mutation in a glucosinolate modifying enzyme, conditions changes in plant architecture and hormone homeostasis. Plant Journal, 2020, 103, 1989-2006.	3.9	7
39	Plant Secondary Metabolites as Defenses, Regulators, and Primary Metabolites: The Blurred Functional Trichotomy. Plant Physiology, 2020, 184, 39-52.	4.0	1,221
40	Identification and stacking of crucial traits required for the domestication of pennycress. Nature Food, 2020, 1, 84-91.	10.4	94
41	Epistatic Transcription Factor Networks Differentially Modulate Arabidopsis Growth and Defense. Genetics, 2020, 214, 529-541.	3.3	19
42	FRS7 and FRS12 recruit NINJA to regulate expression of glucosinolate biosynthesis genes. New Phytologist, 2020, 227, 1124-1137.	5.3	20
43	Diverse Allyl Glucosinolate Catabolites Independently Influence Root Growth and Development. Plant Physiology, 2020, 183, 1376-1390.	4.0	43
44	mGWAS Uncovers Gln-Glucosinolate Seed-Specific Interaction and its Role in Metabolic Homeostasis. Plant Physiology, 2020, 183, 483-500.	4.0	31
45	PMR5, an acetylation protein at the intersection of pectin biosynthesis and defense against fungal pathogens. Plant Journal, 2019, 100, 1022-1035.	3.9	67
46	Viruses mobilize plant immunity to deter nonvector insect herbivores. Science Advances, 2019, 5, .	8.1	96
47	Plant Networks as Traits and Hypotheses: Moving Beyond Description. Trends in Plant Science, 2019, 24, 840-852.	7.0	50
48	Auxin-sensitive Aux/IAA proteins mediate drought tolerance in Arabidopsis by regulating glucosinolate levels. Nature Communications, 2019, 10, .	10.8	292
49	Questionomics: Using Big Data to Ask and Answer Big Questions. Plant Cell, 2019, 31, 1404-1405.	5.8	5
50	The effect of rhizosphere microbes outweighs host plant genetics in reducing insect herbivory. Molecular Ecology, 2019, 28, 1801-1811.	2.2	73
51	Interactions of Tomato and Botrytis cinerea Genetic Diversity: Parsing the Contributions of Host Differentiation, Domestication, and Pathogen Variation. Plant Cell, 2019, 31, 502-519.	5.8	77
52	Network-Guided Discovery of Extensive Epistasis between Transcription Factors Involved in Aliphatic Glucosinolate Biosynthesis. Plant Cell, 2018, 30, 178-195.	5.8	49
53	Comparison of the Relative Potential for Epigenetic and Genetic Variation To Contribute to Trait Stability. G3: Genes, Genomes, Genetics, 2018, 8, 1733-1746.	1.4	27
54	Digital Imaging Combined with Genome-Wide Association Mapping Links Loci to Plant-Pathogen Interaction Traits. Plant Physiology, 2018, 178, 1406-1422.	4.0	55

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55	Transcriptional regulation of nitrogen-associated metabolism and growth. Nature, 2018, 563, 259-264.	30.7	352
56	Regulation of Root Angle and Gravitropism. G3: Genes, Genomes, Genetics, 2018, 8, 3841-3855.	1.4	28
57	The bHLH transcription factor ILR3 modulates multiple stress responses in Arabidopsis. Plant Molecular Biology, 2018, 97, 297-309.	2.1	79
58	A Global Coexpression Network Approach for Connecting Genes to Specialized Metabolic Pathways in Plants. Plant Cell, 2017, 29, 944-959.	5.8	290
59	Epistasis × environment interactions among Arabidopsis thaliana glucosinolate genes impact complex traits and fitness in the field. New Phytologist, 2017, 215, 1249-1263.	5.3	31
60	Quantitative Resistance: More Than Just Perception of a Pathogen. Plant Cell, 2017, 29, 655-665.	5.8	255
61	Plastic Transcriptomes Stabilize Immunity to Pathogen Diversity: The Jasmonic Acid and Salicylic Acid Networks within the Arabidopsis/Botrytis Pathosystem. Plant Cell, 2017, 29, 2727-2752.	5.8	115
62	Using RNA-Seq for Genomic Scaffold Placement, Correcting Assemblies, and Genetic Map Creation in a Common Brassica rapa Mapping Population. G3: Genes, Genomes, Genetics, 2017, 7, 2259-2270.	1.4	16
63	Initiation of ER Body Formation and Indole Glucosinolate Metabolism by the Plastidial Retrograde Signaling Metabolite, MEcPP. Molecular Plant, 2017, 10, 1400-1416.	17.9	36
64	An integrated RNAseq-1H NMR metabolomics approach to understand soybean primary metabolism regulation in response to Rhizoctonia foliar blight disease. BMC Plant Biology, 2017, 17, .	3.0	94
65	A novel Filamentous Flower mutant suppresses brevipedicellus developmental defects and modulates glucosinolate and auxin levels. PLoS ONE, 2017, 12, e0177045.	1.5	20
66	The Quantitative Basis of the Arabidopsis Innate Immune System to Endemic Pathogens Depends on Pathogen Genetics. PLoS Genetics, 2016, 12, e1005789.	2.2	106
67	Isolate Dependency of Brassica rapa Resistance QTLs to Botrytis cinerea. Frontiers in Plant Science, 2016, 7, .	3.0	19
68	The Defense Metabolite, Allyl Glucosinolate, Modulates Arabidopsis thaliana Biomass Dependent upon the Endogenous Glucosinolate Pathway. Frontiers in Plant Science, 2016, 7, .	3.0	59
69	Genome Wide Association Mapping in Arabidopsis thaliana Identifies Novel Genes Involved in Linking Allyl Glucosinolate to Altered Biomass and Defense. Frontiers in Plant Science, 2016, 7, .	3.0	66
70	An Integrative Genetic Study of Rice Metabolism, Growth and Stochastic Variation Reveals Potential C/N Partitioning Loci. Scientific Reports, 2016, 6, .	2.7	20
71	Observability of plant metabolic networks is reflected in the correlation of metabolic profiles.. Plant Physiology, 2016, , pp.00900.2016.	4.0	2
72	Expansive Phenotypic Landscape of Botrytis cinerea Shows Differential Contribution of Genetic Diversity and Plasticity. Molecular Plant-Microbe Interactions, 2016, 29, 287-298.	2.1	34

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73	Pectin Biosynthesis Is Critical for Cell Wall Integrity and Immunity in Arabidopsis thaliana. Plant Cell, 2016, 28, 537-556.	5.8	189
74	False idolatry of the mythical growth versus immunity tradeoff in molecular systems plant pathology. Physiological and Molecular Plant Pathology, 2016, 95, 55-59.	2.4	90
75	Molecular mechanisms governing differential robustness of development and environmental responses in plants. Annals of Botany, 2016, 117, 795-809.	2.1	104
76	Macroevolutionary patterns of glucosinolate defense and tests of defense-escalation and resource availability hypotheses. New Phytologist, 2015, 208, 915-927.	5.3	56
77	Whole genome resequencing of Botrytis cinerea isolates identifies high levels of standing diversity. Frontiers in Microbiology, 2015, 6, .	2.9	54
78	The conserved transcription factors, MYB115 and MYB118, control expression of the newly evolved benzoyloxy glucosinolate pathway in Arabidopsis thaliana. Frontiers in Plant Science, 2015, 6, .	3.0	54
79	Acetylation of cell wall is required for structural integrity of the leaf surface and exerts a global impact on plant stress responses. Frontiers in Plant Science, 2015, 6, .	3.0	30
80	Natural variation in cross-talk between glucosinolates and onset of flowering in Arabidopsis. Frontiers in Plant Science, 2015, 6, .	3.0	71
81	Investigation of the multifunctional gene AOP3 expands the regulatory network fine-tuning glucosinolate production in Arabidopsis. Frontiers in Plant Science, 2015, 6, .	3.0	16
82	The Plant CellIntroduces Breakthrough Reports: A New Forum for Cutting-Edge Plant Research. Plant Cell, 2015, , tpc.15.00862.	5.8	1
83	In Planta Variation of Volatile Biosynthesis: An Alternative Biosynthetic Route to the Formation of the Pathogen-Induced Volatile Homoterpene DMNT via Triterpene Degradation in Arabidopsis Roots. Plant Cell, 2015, 27, 874-890.	5.8	84
84	Reassess thetTest: Interact with All Your Data via ANOVA. Plant Cell, 2015, 27, 2088-2094.	5.8	63
85	Transcriptional networks governing plant metabolism. Current Plant Biology, 2015, 3-4, 56-64.	2.3	41
86	Genetic Variation in the Nuclear and Organellar Genomes Modulates Stochastic Variation in the Metabolome, Growth, and Defense. PLoS Genetics, 2015, 11, e1004779.	2.2	51
87	Keeping the rhythm: light/dark cycles during postharvest storage preserve the tissue integrity and nutritional content of leafy plants. BMC Plant Biology, 2015, 15, .	3.0	52
88	The Glucosinolate Biosynthetic Gene AOP2 Mediates Feed-back Regulation of Jasmonic Acid Signaling in Arabidopsis. Molecular Plant, 2015, 8, 1201-1212.	17.9	81
89	Natural variation of plant metabolism: genetic mechanisms, interpretive caveats, evolutionary and mechanistic insights.. Plant Physiology, 2015, , pp.01108.2015.	4.0	58
90	Quantitative Variation in Responses to Root Spatial Constraint within Arabidopsis thaliana. Plant Cell, 2015, 27, 2227-2243.	5.8	13

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91	Overexpression of Three Glucosinolate Biosynthesis Genes in Brassica napus Identifies Enhanced Resistance to Sclerotinia sclerotiorum and Botrytis cinerea. PLoS ONE, 2015, 10, e0140491.	1.5	68
92	The AT-hook motif-encoding gene METABOLIC NETWORK MODULATOR 1 underlies natural variation in Arabidopsis primary metabolism. Frontiers in Plant Science, 2014, 5, .	3.0	12
93	Meta-analysis of metabolome QTLs in Arabidopsis: trying to estimate the network size controlling genetic variation of the metabolome. Frontiers in Plant Science, 2014, 5, .	3.0	15
94	Promoter-Based Integration in Plant Defense Regulation . Plant Physiology, 2014, 166, 1803-1820.	4.0	106
95	Synthetic biology of metabolism: using natural variation to reverse engineer systems. Current Opinion in Plant Biology, 2014, 19, 20-26.	4.4	22
96	Orchestration of plant defense systems: genes to populations. Trends in Plant Science, 2014, 19, 250-255.	7.0	22
97	Response of Turnip to Botrytis cinerea Infection and Their Relationship with Glucosinolate Profiles. Korean Journal of Plant Resources, 2014, 27, 371-379.	0.2	2
98	Fatty acids and early detection of pathogens. Current Opinion in Plant Biology, 2013, 16, 520-526.	4.4	175
99	Making new molecules—evolution of structures for novel metabolites in plants. Current Opinion in Plant Biology, 2013, 16, 112-117.	4.4	61
100	Hierarchical Nuclear and Cytoplasmic Genetic Architectures for Plant Growth and Defense withinArabidopsis . Plant Cell, 2013, 25, 1929-1945.	5.8	48
101	Identification of Novel Loci Regulating Interspecific Variation in Root Morphology and Cellular Development in Tomato . Plant Physiology, 2013, 162, 755-768.	4.0	78
102	Exploring the shallow end; estimating information content in transcriptomics studies. Frontiers in Plant Science, 2012, 3, .	3.0	13
103	What Can Causal Networks Tell Us about Metabolic Pathways?. PLoS Computational Biology, 2012, 8, e1002458.	1.9	23
104	ArabidopsisDefense againstBotrytis cinerea: Chronology and Regulation Deciphered by High-Resolution Temporal Transcriptomic Analysis . Plant Cell, 2012, 24, 3530-3557.	5.8	400
105	Retrograde Signaling by the Plastidial Metabolite MEcPP Regulates Expression of Nuclear Stress-Response Genes. Cell, 2012, 149, 1525-1535.	23.4	445
106	Making new molecules – evolution of pathways for novel metabolites in plants. Current Opinion in Plant Biology, 2012, 15, 415-423.	4.4	137
107	Model Misinterpretation within Biology: Phenotypes, Statistics, Networks, and Inference. Frontiers in Plant Science, 2012, 3, .	3.0	3
108	Plant Defense Compounds: Systems Approaches to Metabolic Analysis. Annual Review of Phytopathology, 2012, 50, 155-173.	7.3	60

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109	Arctic Mustard Flower Color Polymorphism Controlled by Petal-Specific Downregulation at the Threshold of the Anthocyanin Biosynthetic Pathway. PLoS ONE, 2011, 6, e18230.	1.5	99
110	Chemically mediated tritrophic interactions: opposing effects of glucosinolates on a specialist herbivore and its predators. Journal of Applied Ecology, 2011, 48, 880-887.	2.8	61
111	Cofactome analyses reveal enhanced flux of carbon into oil for potential biofuel production. Plant Journal, 2011, 67, 1018-1028.	3.9	34
112	An ecological genomic approach challenging the paradigm of differential plant responses to specialist versus generalist insect herbivores. Oecologia, 2011, 167, 677-689.	1.3	107
113	Using knockout mutants to reveal the growth costs of defensive traits. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2598-2603.	1.6	123
114	Network Quantitative Trait Loci Mapping of Circadian Clock Outputs Identifies Metabolic Pathway-to-Clock Linkages in Arabidopsis . Plant Cell, 2011, 23, 471-485.	5.8	148
115	Biosynthesis and Defensive Function of N Δ-Acetylornithine, a Jasmonate-Induced Arabidopsis Metabolite . Plant Cell, 2011, 23, 3303-3318.	5.8	88
116	Intronic T-DNA Insertion Renders Arabidopsisopr3a Conditional Jasmonic Acid-Producing Mutant . Plant Physiology, 2011, 156, 770-778.	4.0	110
117	Combining Genome-Wide Association Mapping and Transcriptional Networks to Identify Novel Genes Controlling Glucosinolates in Arabidopsis thaliana. PLoS Biology, 2011, 9, e1001125.	3.1	260
118	Genomic Analysis of QTLs and Genes Altering Natural Variation in Stochastic Noise. PLoS Genetics, 2011, 7, e1002295.	2.2	122
119	Regulatory networks of glucosinolates shape Arabidopsis thaliana fitness. Current Opinion in Plant Biology, 2010, 13, 347-352.	4.4	84
120	A new method for measuring relative growth rate can uncover the costs of defensive compounds in Arabidopsis thaliana. New Phytologist, 2010, 187, 1102-1111.	5.3	80
121	Deficiencies in Jasmonate-Mediated Plant Defense Reveal Quantitative Variation in Botrytis cinerea Pathogenesis. PLoS Pathogens, 2010, 6, e1000861.	2.9	154
122	A Complex Interplay of Three R2R3 MYB Transcription Factors Determines the Profile of Aliphatic Glucosinolates in Arabidopsis . Plant Physiology, 2010, 153, 348-363.	4.0	257
123	The Complex Genetic Architecture of the Metabolome. PLoS Genetics, 2010, 6, e1001198.	2.2	162
124	Systems Biology Uncovers the Foundation of Natural Genetic Diversity. Plant Physiology, 2010, 152, 480-486.	4.0	25
125	Understanding the Evolution of Defense Metabolites in Arabidopsis thaliana Using Genome-wide Association Mapping. Genetics, 2010, 185, 991-1007.	3.3	204
126	The Genetic Basis of Constitutive and Herbivore-Induced ESP-Independent Nitrile Formation in Arabidopsis . Plant Physiology, 2009, 149, 561-574.	4.0	159

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127	MODIFIED VACUOLE PHENOTYPE1 Is an Arabidopsis Myrosinase-Associated Protein Involved in Endomembrane Protein Trafficking . Plant Physiology, 2009, 152, 120-132.	4.0	64
128	Advancing Genetic Theory and Application by Metabolic Quantitative Trait Loci Analysis. Plant Cell, 2009, 21, 1637-1646.	5.8	74
129	Competition, herbivory and genetics interact to determine the accumulation and fitness consequences of a defence metabolite. Journal of Ecology, 2009, 97, 78-88.	3.0	75
130	Quantitative Genomics: Analyzing Intraspecific Variation Using Global Gene Expression Polymorphisms or eQTLs. Annual Review of Plant Biology, 2009, 60, 93-114.	14.2	176
131	Differential Levels of Insect Herbivory in the Field Associated with Genotypic Variation in Glucosinolates in Arabidopsis thaliana. Journal of Chemical Ecology, 2008, 34, 1026-1037.	1.2	131
132	ESP and ESM1 mediate indol-3-acetonitrile production from indol-3-ylmethyl glucosinolate in Arabidopsis. Phytochemistry, 2008, 69, 663-671.	2.4	99
133	Determination of the absolute configuration of the glucosinolate methyl sulfoxide group reveals a stereospecific biosynthesis of the side chain. Phytochemistry, 2008, 69, 2737-2742.	2.4	33
134	Identifying the molecular basis of QTLs: eQTLs add a new dimension. Trends in Plant Science, 2008, 13, 72-77.	7.0	105
135	Ecological costs of biotrophic versus necrotrophic pathogen resistance, the hypersensitive response and signal transduction. Plant Science, 2008, 174, 551-556.	3.0	66
136	Complex Genetics Control Natural Variation inArabidopsis thalianaResistance toBotrytis cinerea. Genetics, 2008, 180, 2237-2250.	3.3	116
137	Genotype, Age, Tissue, and Environment Regulate the Structural Outcome of Glucosinolate Activation . Plant Physiology, 2008, 147, 415-428.	4.0	106
138	The Chromatin Remodeler SPLAYED Regulates Specific Stress Signaling Pathways. PLoS Pathogens, 2008, 4, e1000237.	2.9	137
139	Genetic Networks Controlling Structural Outcome of Glucosinolate Activation across Development. PLoS Genetics, 2008, 4, e1000234.	2.2	28
140	Subclade of Flavin-Monooxygenases Involved in Aliphatic Glucosinolate Biosynthesis. Plant Physiology, 2008, 148, 1721-1733.	4.0	162
141	A Novel 2-Oxoacid-Dependent Dioxygenase Involved in the Formation of the Goiterogenic 2-Hydroxybut-3-enyl Glucosinolate and Generalist Insect Resistance in Arabidopsis . Plant Physiology, 2008, 148, 2096-2108.	4.0	159
142	Biochemical Networks and Epistasis Shape the Arabidopsis thaliana Metabolome. Plant Cell, 2008, 20, 1199-1216.	5.8	224
143	Distinct Roles of Jasmonates and Aldehydes in Plant-Defense Responses. PLoS ONE, 2008, 3, e1904.	1.5	136
144	A Role for Gene Duplication and Natural Variation of Gene Expression in the Evolution of Metabolism. PLoS ONE, 2008, 3, e1838.	1.5	131

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145	A quantitative genetics and ecological model system: understanding the aliphatic glucosinolate biosynthetic network via QTLs. Phytochemistry Reviews, 2008, 8, 243-254.	2.9	48
146	Global eQTL Mapping Reveals the Complex Genetic Architecture of Transcript-Level Variation in Arabidopsis. Genetics, 2007, 175, 1441-1450.	3.3	376
147	Linking Metabolic QTLs with Network and cis-eQTLs Controlling Biosynthetic Pathways. PLoS Genetics, 2007, 3, e162.	2.2	283
148	Natural Variation amongArabidopsis thalianaAccessions for Transcriptome Response to Exogenous Salicylic Acid. Plant Cell, 2007, 19, 2099-2110.	5.8	112
149	Elevated Genetic Variation Within Virulence-AssociatedBotrytis cinereaPolygalacturonase Loci. Molecular Plant-Microbe Interactions, 2007, 20, 1126-1137.	2.1	68
150	Identification of a flavin-monooxygenase as the S-oxygenating enzyme in aliphatic glucosinolate biosynthesis in Arabidopsis. Plant Journal, 2007, 50, 902-910.	3.9	232
151	Characterization of seed-specific benzoyloxyglucosinolate mutations in Arabidopsis thaliana. Plant Journal, 2007, 51, 1062-1076.	3.9	99
152	A Systems Biology Approach Identifies a R2R3 MYB Gene Subfamily with Distinct and Overlapping Functions in Regulation of Aliphatic Glucosinolates. PLoS ONE, 2007, 2, e1322.	1.5	358
153	Convergence, constraint and the role of gene expression during adaptive radiation: floral anthocyanins in Aquilegia. Molecular Ecology, 2006, 15, 4645-4657.	2.2	132
154	Glucosinolate Survey of Cultivated and Feral Mashua (Tropaeolum tuberosum Ruíz & Pavón) in the Cuzco Region of Peru. Economic Botany, 2006, 60, 254-264.	0.8	22
155	Identification of QTLs controlling gene expression networks defined a priori. BMC Bioinformatics, 2006, 7, .	2.5	122
156	High-density haplotyping with microarray-based expression and single feature polymorphism markers in Arabidopsis. Genome Research, 2006, 16, 787-795.	3.3	183
157	The Gene Controlling the Quantitative Trait Locus EPITHIOSPECIFIER MODIFIER1 Alters Glucosinolate Hydrolysis and Insect Resistance in Arabidopsis. Plant Cell, 2006, 18, 1524-1536.	5.8	251
158	Genomic Survey of Gene Expression Diversity in Arabidopsis thaliana. Genetics, 2006, 172, 1179-1189.	3.3	105
159	Geographic and evolutionary diversification of glucosinolates among near relatives of Arabidopsis thaliana (Brassicaceae). Phytochemistry, 2005, 66, 1321-1333.	2.4	140
160	Secondary metabolites influence Arabidopsis/Botrytis interactions: variation in host production and pathogen sensitivity. Plant Journal, 2005, 44, 25-36.	3.9	296
161	A constitutivePR-1::luciferaseexpression screen identifies Arabidopsis mutants with differential disease resistance to both biotrophic and necrotrophic pathogens. Molecular Plant Pathology, 2005, 6, 31-41.	3.1	9
162	A UV-B-specific signaling component orchestrates plant UV protection. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18225-18230.	5.2	551

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163	Identification ofBotrytis cinereasusceptibility loci inArabidopsis thaliana. Plant Journal, 2004, 38, 473-486.	3.9	162
164	Secondary metabolites and plant/environment interactions: a view through Arabidopsis thaliana tinged glasses. Plant, Cell and Environment, 2004, 27, 675-684.	4.8	363
165	Arabidopsis UVR8 Regulates Ultraviolet-B Signal Transduction and Tolerance and Contains Sequence Similarity to Human Regulator of Chromatin Condensation 1. Plant Physiology, 2002, 130, 234-243.	4.0	376
166	Disarming the mustard oil bomb. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11223-11228.	5.2	552
167	Benzoic acid glucosinolate esters and other glucosinolates from Arabidopsis thaliana. Phytochemistry, 2002, 59, 663-671.	2.4	244
168	Comparative Analysis of Quantitative Trait Loci Controlling Glucosinolates, Myrosinase and Insect Resistance in Arabidopsis thaliana. Genetics, 2002, 161, 325-332.	3.3	250
169	Genetic Architecture of Plastic Methyl Jasmonate Responses in Arabidopsis thaliana. Genetics, 2002, 161, 1685-1696.	3.3	151
170	Genetic Control of Natural Variation in Arabidopsis Glucosinolate Accumulation. Plant Physiology, 2001, 126, 811-825.	4.0	657
171	The Arabidopsis Epithiospecifier Protein Promotes the Hydrolysis of Glucosinolates to Nitriles and Influences Trichoplusia ni Herbivory. Plant Cell, 2001, 13, 2793-2807.	5.8	424
172	Gene Duplication in the Diversification of Secondary Metabolism: Tandem 2-Oxoglutarate-Dependent Dioxygenases Control Glucosinolate Biosynthesis in Arabidopsis. Plant Cell, 2001, 13, 681.	5.8	2
173	Gene Duplication in the Diversification of Secondary Metabolism: Tandem 2-Oxoglutarate–Dependent Dioxygenases Control Glucosinolate Biosynthesis in Arabidopsis. Plant Cell, 2001, 13, 681-693.	5.8	469
174	The Arabidopsis Epithiospecifier Protein Promotes the Hydrolysis of Glucosinolates to Nitriles and Influences Trichoplusia ni Herbivory. Plant Cell, 2001, 13, 2793.	5.8	6
175	Comparative Quantitative Trait Loci Mapping of Aliphatic, Indolic and Benzylic Glucosinolate Production in Arabidopsis thaliana Leaves and Seeds. Genetics, 2001, 159, 359-370.	3.3	230
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