

Priming and memory of stress responses in organisms 1

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Plant Heat Adaptation: priming in response to heat stress. <i>F1000Research</i> , 2016, 5, 694.	0.8	97
2	CRAM: A Conditioned Reflex Action Inspired Adaptive Model for Context Addition in Wireless Sensor Networks. <i>Journal of Sensors</i> , 2016, 2016, 1-24.	0.6	8
3	Profiling of Altered Metabolomic States in <i>Nicotiana tabacum</i> Cells Induced by Priming Agents. <i>Frontiers in Plant Science</i> , 2016, 7, 1527.	1.7	44
4	HSFA2 orchestrates transcriptional dynamics after heat stress in <i>Arabidopsis thaliana</i> . <i>Transcription</i> , 2016, 7, 111-114.	1.7	38
5	Pre-exposure of <i>Arabidopsis</i> to the abiotic or biotic environmental stimuli "chilling" or "insect eggs" exhibits different transcriptomic responses to herbivory. <i>Scientific Reports</i> , 2016, 6, 28544.	1.6	22
6	Temperature priming and memory in soil filamentous fungi. <i>Fungal Ecology</i> , 2016, 21, 10-15.	0.7	47
8	Recognizing Plant Defense Priming. <i>Trends in Plant Science</i> , 2016, 21, 818-822.	4.3	549
9	The drought response of potato reference cultivars with contrasting tolerance. <i>Plant, Cell and Environment</i> , 2016, 39, 2370-2389.	2.8	66
10	Cold regulation of plastid ascorbate peroxidases serves as a priming hub controlling ROS signaling in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2016, 16, 163.	1.6	58
11	The plastid metalloprotease FtsH6 and small heat shock protein HSP21 jointly regulate thermomemory in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2016, 7, 12439.	5.8	128
12	Prospects of herbivore egg-killing plant defenses for sustainable crop protection. <i>Ecology and Evolution</i> , 2016, 6, 6906-6918.	0.8	38
13	A histone H3K9me3 heat shock factor governs sustained histone methylation and transcriptional stress memory. <i>EMBO Journal</i> , 2016, 35, 162-175.	3.5	299
14	Microbial stress priming: a meta-analysis. <i>Environmental Microbiology</i> , 2016, 18, 1277-1288.	1.8	49
15	A push-button: <i>Spodoptera exigua</i> oviposition on <i>Nicotiana attenuata</i> dose-independently primes the feeding-induced plant defense. <i>Plant Signaling and Behavior</i> , 2016, 11, e1114198.	1.2	6
16	Priming of anti-herbivore defence in <i>Nicotiana attenuata</i> by insect oviposition: herbivore-specific effects. <i>Plant, Cell and Environment</i> , 2016, 39, 848-859.	2.8	50
17	The volatile emission of a specialist herbivore alters patterns of plant defence, growth and flower production in a field population of goldenrod. <i>Functional Ecology</i> , 2017, 31, 1062-1070.	1.7	13
18	Sequential above- and belowground herbivory modifies plant responses depending on herbivore identity. <i>BMC Ecology</i> , 2017, 17, 5.	3.0	28
19	The effect of cold priming on the fitness of <i>Arabidopsis thaliana</i> accessions under natural and controlled conditions. <i>Scientific Reports</i> , 2017, 7, 44055.	1.6	31

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20	Ecology of desiccation tolerance in bryophytes: A conceptual framework and methodology. <i>Bryologist</i> , 2017, 120, 129-164.	0.1	13
21	Mechanisms to Mitigate the Trade-Off between Growth and Defense. <i>Plant Cell</i> , 2017, 29, 666-680.	3.1	436
22	The Arabidopsis DNA Methylome Is Stable under Transgenerational Drought Stress. <i>Plant Physiology</i> , 2017, 175, 1893-1912.	2.3	112
23	When does it pay off to prime for defense? A modeling analysis. <i>New Phytologist</i> , 2017, 216, 782-797.	3.5	39
24	Methylation profile and phenotypical changes in <i>Capsicum annum</i> L. under water deficit and H<inf>2</inf>O<inf>2</inf> application. , 2017, , .		1
25	Ecology of desiccation tolerance in bryophytes: A conceptual framework and methodology. <i>Bryologist</i> , 2017, 120, 130-165.	0.1	45
26	Epigenetic and chromatin-based mechanisms in environmental stress adaptation and stress memory in plants. <i>Genome Biology</i> , 2017, 18, 124.	3.8	534
27	Epigenetic transcriptional memory. <i>Current Genetics</i> , 2017, 63, 435-439.	0.8	113
28	In Silico Analysis of Small RNAs Suggest Roles for Novel and Conserved miRNAs in the Formation of Epigenetic Memory in Somatic Embryos of Norway Spruce. <i>Frontiers in Physiology</i> , 2017, 8, 674.	1.3	46
29	Abiotic Stress Responses and Microbe-Mediated Mitigation in Plants: The Omics Strategies. <i>Frontiers in Plant Science</i> , 2017, 8, 172.	1.7	574
30	Mineral composition of cauliflowers with differently coloured curds modified by the chilling of juvenile plants. <i>Scientia Horticulturae</i> , 2018, 232, 216-225.	1.7	13
31	Thermoprimer triggers splicing memory in Arabidopsis. <i>Journal of Experimental Botany</i> , 2018, 69, 2659-2675.	2.4	119
32	Towards Systemic View for Plant Learning: Ecophysiological Perspective. <i>Signaling and Communication in Plants</i> , 2018, , 163-189.	0.5	8
33	Vibration-induced stress priming during seed culture increases microalgal biomass in high shear field-cultivation. <i>Bioresource Technology</i> , 2018, 254, 340-346.	4.8	3
34	Primed primary metabolism in systemic leaves: a functional systems analysis. <i>Scientific Reports</i> , 2018, 8, 216.	1.6	64
35	Postâ€translational modifications in priming the plant immune system: ripe for exploitation?. <i>FEBS Letters</i> , 2018, 592, 1929-1936.	1.3	31
36	Genomics of cellular proliferation in periodic environmental fluctuations. <i>Molecular Systems Biology</i> , 2018, 14, e7823.	3.2	13
37	The Priming of Potato Plants Induced by Brassinosteroids Reduces Oxidative Stress and Increases Salt Tolerance. <i>Doklady Biological Sciences</i> , 2018, 478, 33-36.	0.2	24

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38	Phytochemical variation in treetops: causes and consequences for tree-insect herbivore interactions. <i>Oecologia</i> , 2018, 187, 377-388.	0.9	44
39	A reversible light- and genotype-dependent acquired thermotolerance response protects the potato plant from damage due to excessive temperature. <i>Planta</i> , 2018, 247, 1377-1392.	1.6	19
40	Transgenerational stress-adaption: an opportunity for ecological epigenetics. <i>Plant Cell Reports</i> , 2018, 37, 3-9.	2.8	31
41	Sciences of Observation. <i>Philosophies</i> , 2018, 3, 29.	0.4	4
42	Molecular signatures associated with increased freezing tolerance due to low temperature memory in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2019, 42, 854-873.	2.8	89
43	Transcriptomic basis for reinforcement of elm antiherbivore defence mediated by insect egg deposition. <i>Molecular Ecology</i> , 2018, 27, 4901-4915.	2.0	18
44	Ecological effects of cellular computing in microbial populations. <i>Natural Computing</i> , 2018, 17, 811-822.	1.8	3
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49	Metabolomics in Plant Priming Research: The Way Forward?. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1759.	1.8	83
50	Moth oviposition shapes the species-specific transcriptional and phytohormonal response of <i>Nicotiana attenuata</i> to larval feeding. <i>Scientific Reports</i> , 2018, 8, 10249.	1.6	16
51	Plant Perception and Short-Term Responses to Phytophagous Insects and Mites. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1356.	1.8	70
52	Distinct heat shock factors and chromatin modifications mediate the organ-autonomous transcriptional memory of heat stress. <i>Plant Journal</i> , 2018, 95, 401-413.	2.8	99
53	Innate Immune Memory in Invertebrate Metazoans: A Critical Appraisal. <i>Frontiers in Immunology</i> , 2018, 9, 1915.	2.2	121
54	The lipopeptide surfactin triggers induced systemic resistance and priming state responses in <i>Arachis hypogaea</i> L.. <i>European Journal of Plant Pathology</i> , 2018, 152, 845-851.	0.8	26
55	A judgment and decision-making model for plant behavior. <i>Ecology</i> , 2018, 99, 1909-1919.	1.5	22

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57	Chromatin-based mechanisms of temperature memory in plants. <i>Plant, Cell and Environment</i> , 2019, 42, 762-770.	2.8	125
58	Preparing plants for improved cold tolerance by priming. <i>Plant, Cell and Environment</i> , 2019, 42, 782-800.	2.8	85
59	Legacy effects of herbivory enhance performance and resistance of progeny plants. <i>Journal of Ecology</i> , 2019, 107, 58-68.	1.9	13
60	Metabolic responses of rice source and sink organs during recovery from combined drought and heat stress in the field. <i>GigaScience</i> , 2019, 8, .	3.3	14
61	The differential response of cold-experienced <i>Arabidopsis thaliana</i> to larval herbivory benefits an insect generalist, but not a specialist. <i>BMC Plant Biology</i> , 2019, 19, 338.	1.6	3
62	Primed to be strong, primed to be fast: modeling benefits of microbial stress responses. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	5
63	Seawater salt-trapped <i>Pseudomonas aeruginosa</i> survives for years and gets primed for salinity tolerance. <i>BMC Microbiology</i> , 2019, 19, 142.	1.3	11
64	BABA-Induced DNA Methylome Adjustment to Intergenerational Defense Priming in Potato to <i>Phytophthora infestans</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 650.	1.7	37
65	Genome-wide transcriptional adaptation to salt stress in <i>Populus</i> . <i>BMC Plant Biology</i> , 2019, 19, 367.	1.6	32
66	Histone modifications and their regulatory roles in plant development and environmental memory. <i>Journal of Genetics and Genomics</i> , 2019, 46, 467-476.	1.7	76
67	Deacclimation after cold acclimation—a crucial, but widely neglected part of plant winter survival. <i>Journal of Experimental Botany</i> , 2019, 70, 4595-4604.	2.4	73
68	Salt-Induced Damage is Alleviated by Short-Term Pre-Cold Treatment in Bermudagrass (<i>Cynodon</i>)	1.6	12
69	Leaf metabolic signatures induced by real and simulated herbivory in black mustard (<i>Brassica nigra</i>). <i>Metabolomics</i> , 2019, 15, 130.	1.4	29
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71	Jasmonic acid and nitric oxide protects naranjilla (<i>Solanum quitoense</i>) against infection by <i>Fusarium oxysporum</i> f. sp. <i>quitoense</i> by eliciting plant defense responses. <i>Physiological and Molecular Plant Pathology</i> , 2019, 106, 129-136.	1.3	24
72	Thermoprimering reprograms metabolic homeostasis to confer heat tolerance. <i>Scientific Reports</i> , 2019, 9, 181.	1.6	67
73	Alternative Splicing and Protein Diversity: Plants Versus Animals. <i>Frontiers in Plant Science</i> , 2019, 10, 708.	1.7	136

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75	Cold stress activates disease resistance in <i>Arabidopsis thaliana</i> through a salicylic acid dependent pathway. <i>Plant, Cell and Environment</i> , 2019, 42, 2645-2663.	2.8	58
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77	Basic Principles of Temporal Dynamics. <i>Trends in Ecology and Evolution</i> , 2019, 34, 723-733.	4.2	107
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79	Plant Epigenetic Mechanisms in Response to Biotic Stress. , 2019, , 65-113.		8
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84	Stress priming, memory, and signalling in plants. <i>Plant, Cell and Environment</i> , 2019, 42, 753-761.	2.8	187
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86	Defense of Scots pine against sawfly eggs (<i>Diprion pini</i>) is primed by exposure to sawfly sex pheromones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24668-24675.	3.3	31
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88	Protein kinase-mediated signalling in priming: Immune signal initiation, propagation, and establishment of long-term pathogen resistance in plants. <i>Plant, Cell and Environment</i> , 2019, 42, 904-917.	2.8	34
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94	Defence-related priming and responses to recurring drought: Two manifestations of plant transcriptional memory mediated by the ABA and JA signalling pathways. <i>Plant, Cell and Environment</i> , 2019, 42, 983-997.	2.8	53
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115	Non-lethal exposure to H ₂ O ₂ boosts bacterial survival and evolvability against oxidative stress. <i>PLoS Genetics</i> , 2020, 16, e1008649.	1.5	59
116	Plant responses to insect eggs are not induced by egg-associated microbes, but by a secretion attached to the eggs. <i>Plant, Cell and Environment</i> , 2020, 43, 1815-1826.	2.8	20
118	Priming mediated stress and cross-stress tolerance in plants: Concepts and opportunities. , 2020, , 1-20.		14
119	Drought-Induced Stress Priming in Two Distinct Filamentous Saprotrophic Fungi. <i>Microbial Ecology</i> , 2020, 80, 27-33.	1.4	8
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127	Plant volatiles induced by herbivore eggs prime defences and mediate shifts in the reproductive strategy of receiving plants. <i>Ecology Letters</i> , 2020, 23, 1097-1106.	3.0	34
128	Insights to plant immunity: Defense signaling to epigenetics. <i>Physiological and Molecular Plant Pathology</i> , 2021, 113, 101568.	1.3	12

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129	Fight hard or die trying: when plants face pathogens under heat stress. <i>New Phytologist</i> , 2021, 229, 712-734.	3.5	94
130	Hydroxycinnamate Amides: Intriguing Conjugates of Plant Protective Metabolites. <i>Trends in Plant Science</i> , 2021, 26, 184-195.	4.3	51
131	Proteome profiling of repeated drought stress reveals genotype-specific responses and memory effects in maize. <i>Plant Physiology and Biochemistry</i> , 2021, 159, 67-79.	2.8	16
132	Bidirectional plant-mediated interactions between rhizobacteria and shoot-feeding herbivorous insects: a community ecology perspective. <i>Ecological Entomology</i> , 2021, 46, 1-10.	1.1	19
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135	Role of Nanomaterials in Regulating Reactive Species as a Signaling Molecule of Abiotic Stress in Plants. , 2021, , 291-304.		2
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148	Bacteria primed by antimicrobial peptides develop tolerance and persist. <i>PLoS Pathogens</i> , 2021, 17, e1009443.	2.1	39
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152	Phenotypic plasticity under rapid global changes: The intrinsic force for future seagrasses survival. <i>Evolutionary Applications</i> , 2021, 14, 1181-1201.	1.5	58
153	Membrane-Enriched Proteomics Link Ribosome Accumulation and Proteome Reprogramming With Cold Acclimation in Barley Root Meristems. <i>Frontiers in Plant Science</i> , 2021, 12, 656683.	1.7	15
154	Comparative Analysis of the Apple Root Transcriptome as Affected by Rootstock Genotype and Brassicaceae Seed Meal Soil Amendment: Implications for Plant Health. <i>Microorganisms</i> , 2021, 9, 763.	1.6	2
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