Foliar oxidative stress and insect herbivory: Primary co and reactive oxygen species as components of induced

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#	Article	IF	Citations
1	Antinutritive plant defence mechanisms. , 1996, , 373-416.		28
2	Physiological and dietary influences on midgut redox conditions in generalist lepidopteran larvae. Journal of Insect Physiology, 1996, 42, 191-198.	0.9	44
3	Nutritive quality of plant protein: Sources of variation and insect herbivore responses. Archives of Insect Biochemistry and Physiology, 1996, 32, 107-130.	0.6	102
4	Potential influence of midgut pH and redox potential on protein utilization in insect herbivores. Archives of Insect Biochemistry and Physiology, 1996, 32, 85-105.	0.6	51
5	Do Plant Phenolics Confer Resistance to Specialist and Generalist Insect Herbivores?. Journal of Agricultural and Food Chemistry, 1997, 45, 4500-4504.	2.4	62
6	Antinutritive and Oxidative Components as Mechanisms of Induced Resistance in Cotton to Helicoverpa zea. Journal of Chemical Ecology, 1997, 23, 97-117.	0.9	116
7	Does Salicylic Acid Act as a Signal in Cotton for Induced Resistance to Helicoverpa zea?. Journal of Chemical Ecology, 1997, 23, 1805-1818.	0.9	46
8	Examination of Different Tobacco (Nicotiana spp.) Types Under- and Overproducing Tobacco Anionic Peroxidase for Their Leaf Resistance to Helicoverpa zea. Journal of Chemical Ecology, 1997, 23, 2357-2370.	0.9	28
9	Herbivory and caterpillar regurgitants amplify the wound-induced increases in jasmonic acid but not nicotine in Nicotiana sylvestris. Planta, 1997, 203, 430-435.	1.6	243
10	Inhibition of Baculoviral Disease by Plant-Mediated Peroxidase Activity and Free Radical Generation. Journal of Chemical Ecology, 1998, 24, 1949-2001.	0.9	52
11	Title is missing!. Journal of Chemical Ecology, 1998, 24, 253-271.	0.9	44
12	Differential leaf resistance to insects of transgenic sweetgum (Liquidambar styraciflua) expressing tobacco anionic peroxidase. Cellular and Molecular Life Sciences, 1998, 54, 712-720.	2.4	33
13	Damage-inducibility of primary and secondary metabolites in the wild parsnip (Pastinaca sativa). Chemoecology, 1998, 8, 187-193.	0.6	16
14	Effects of juglone (5-hydroxy-1,4-naphthoquinone) on midgut morphology and glutathione status in Saturniid moth larvae. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1998, 120, 481-487.	0.5	26
15	Influence of Interspecific and Intraspecific Host Plant Variation on the Susceptibility of Heliothines to a Baculovirus. Biological Control, 1998, 12, 42-49.	1.4	37
16	Trade-Offs in Phenolic Metabolism of Silver Birch: Effects of Fertilization, Defoliation, and Genotype. Ecology, 1999, 80, 1970.	1.5	16
17	Hydrogen peroxide is generated systemically in plant leaves by wounding and systemin via the octadecanoid pathway. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 6553-6557.	3.3	733
18	Secondary Metabolites in Plant-Insect Interactions: Dynamic Systems of Induced and Adaptive Responses. Advances in Botanical Research, 1999, , 91-115.	0.5	11

#	Article	IF	Citations
19	TRADE-OFFS IN PHENOLIC METABOLISM OF SILVER BIRCH: EFFECTS OF FERTILIZATION, DEFOLIATION, AND GENOTYPE. Ecology, 1999, 80, 1970-1986.	1.5	118
20	A Protein Competition Model of Phenolic Allocation. Oikos, 1999, 86, 27.	1.2	343
21	Signal interactions in pathogen and insect attack: expression of lipoxygenase, proteinase inhibitor II, and pathogenesis-related protein P4 in the tomato,Lycopersicon esculentum. Physiological and Molecular Plant Pathology, 1999, 54, 97-114.	1.3	184
22	The systemin signaling pathway: differential activation of plant defensive genes. BBA - Proteins and Proteomics, 2000, 1477, 112-121.	2.1	484
23	Hydrogen Peroxide Acts as a Second Messenger for the Induction of Defense Genes in Tomato Plants in Response to Wounding, Systemin, and Methyl Jasmonate. Plant Cell, 2001, 13, 179-191.	3.1	809
24	Antioxidant defenses in caterpillars: role of the ascorbate-recycling system in the midgut lumen. Journal of Insect Physiology, 2001, 47, 349-357.	0.9	94
25	Herbivory, induced resistance, and interplant signal transfer in Alnus glutinosa. Biochemical Systematics and Ecology, 2001, 29, 1025-1047.	0.6	172
26	Signals Regulating Multiple Responses to Wounding and Herbivores. Critical Reviews in Plant Sciences, 2001, 20, 487-521.	2.7	145
27	Hydrogen Peroxide Acts as a Second Messenger for the Induction of Defense Genes in Tomato Plants in Response to Wounding, Systemin, and Methyl Jasmonate. Plant Cell, 2001, 13, 179.	3.1	27
28	Insect Footsteps on Leaves Stimulate the Accumulation of 4-Aminobutyrate and Can Be Visualized through Increased Chlorophyll Fluorescence and Superoxide Production. Plant Physiology, 2002, 129, 1430-1434.	2.3	104
29	Nitric Oxide Negatively Modulates Wound Signaling in Tomato Plants. Plant Physiology, 2002, 130, 487-493.	2.3	205
31	Sequestration of host plant carotenoids in the larval tissues of Helicoverpa zea. Journal of Insect Physiology, 2002, 48, 311-318.	0.9	20
32	Gene expression profiling ofArabidopsis thaliana in compatible plant-aphid interactions. Archives of Insect Biochemistry and Physiology, 2002, 51, 182-203.	0.6	221
33	Overexpression of polyphenol oxidase in transgenic tomato plants results in enhanced bacterial disease resistance. Planta, 2002, 215, 239-247.	1.6	452
34	Plant resistance towards insect herbivores: a dynamic interaction. New Phytologist, 2002, 156, 145-169.	3.5	517
35	Gut-based antioxidant enzymes in a polyphagous and a graminivorous grasshopper. Journal of Chemical Ecology, 2002, 28, 1329-1347.	0.9	77
36	Antioxidants in the midgut fluids of a tannin-tolerant and a tannin-sensitive caterpillar: effects of seasonal changes in tree leaves. Journal of Chemical Ecology, 2003, 29, 1099-1116.	0.9	28
37	Defoliation-induced responses in peroxidases, phenolics, and polyamines in scots pine (Pinus sylvestris) Tj ETQq1 1 0.784314 rgBT /O	0.9	28

#	Article	IF	Citations
38	Antioxidants in grasshoppers: higher levels defend the midgut tissues of a polyphagous species than a graminivorous species. Journal of Chemical Ecology, 2003, 29, 683-702.	0.9	35
39	Influence of semilooper damage on cotton host-plant resistance to Helicoverpa armigera (Hub). Plant Science, 2003, 164, 157-163.	1.7	29
40	Semiquinone and ascorbyl radicals in the gut fluids of caterpillars measured with EPR spectrometry. Insect Biochemistry and Molecular Biology, 2003, 33, 125-130.	1.2	58
41	Feeding by Waterhyacinth Weevils (<I>Neochetina</I> spp.) (Coleoptera: Curculionidae) in Relation to Site, Plant Biomass, and Biochemical Factors. Environmental Entomology, 2004, 33, 346-355.	0.7	4
42	Aphid (Hemiptera: Aphididae) Resistance in Wheat Near-Isogenic Lines. Journal of Economic Entomology, 2004, 97, 646-653.	0.8	16
43	Transcriptional Regulation of Sorghum Defense Determinants against a Phloem-Feeding Aphid. Plant Physiology, 2004, 134, 420-431.	2.3	378
44	Expression of the peroxidase gene promoter (Shpx6b) from Stylosanthes humilis in transgenic plants during insect attack. Entomologia Experimentalis Et Applicata, 2004, 111, 165-171.	0.7	14
45	REACTIVE OXYGEN SPECIES: Metabolism, Oxidative Stress, and Signal Transduction. Annual Review of Plant Biology, 2004, 55, 373-399.	8.6	9,281
46	Footsteps from Insect Larvae Damage Leaf Surfaces and Initiate Rapid Responses. European Journal of Plant Pathology, 2004, 110, 441-447.	0.8	40
47	Rapid Herbivore-Induced Changes in Mountain Birch Phenolics and Nutritive Compounds and Their Effects on Performance of the Major Defoliator, Epirrita autumnata. Journal of Chemical Ecology, 2004, 30, 303-321.	0.9	32
48	Differential Activity of Peroxidase Isozymes in Response to Wounding, Gypsy Moth, and Plant Hormones in Northern Red Oak (Quercus rubra L.). Journal of Chemical Ecology, 2004, 30, 1363-1379.	0.9	76
49	Biotic and heavy metal stress response in plants: evidence for common signals. FEBS Letters, 2004, 566, 1-5.	1.3	367
50	Direct and indirect defences induced by piercingâ€sucking and chewing herbivores in Medicago truncatula. New Phytologist, 2005, 167, 597-606.	3.5	189
51	Indirect effects of insect herbivory on leaf gas exchange in soybean. Plant, Cell and Environment, 2005, 28, 402-411.	2.8	133
52	Biochemical and ecological characterization of two peroxidase isoenzymes from the mangrove, Rhizophora mangle. Plant, Cell and Environment, 2005, 28, 612-622.	2.8	23
53	Molecular strategies of plant defense and insect counter-defense. Insect Science, 2005, 12, 3-15.	1.5	107
54	BIOCHEMICAL RESPONSES OF CHESTNUT OAK TO A GALLING CYNIPID. Journal of Chemical Ecology, 2005, 31, 151-166.	0.9	86
55	Phenolic Compounds in Red Oak and Sugar Maple Leaves Have Prooxidant Activities in the Midgut Fluids of Malacosoma disstria and Orgyia leucostigma Caterpillars. Journal of Chemical Ecology, 2005, 31, 969-988.	0.9	96

#	Article	IF	Citations
56	Influence of Seasonal Nitrogen Nutrition Fluctuations in Orange and Lemon Trees on Population Dynamics of the Glassy-Winged Sharpshooter (Homalodisca coagulata). Journal of Chemical Ecology, 2005, 31, 2289-2308.	0.9	36
57	Resistance induction in wheat plants by silicon and aphids. Scientia Agricola, 2005, 62, 547-551.	0.6	137
58	SOIL DEGRADATION SLOWS GROWTH AND INHIBITS JASMONATEâ€INDUCED RESISTANCE IN ARTEMISIA VULGARIS. , 2005, 15, 1689-1700.		8
60	Phenol Contents, Oxidase Activities, and the Resistance of Coffee to the Leaf Miner Leucoptera coffeella. Journal of Chemical Ecology, 2006, 32, 1977-1988.	0.9	111
61	Tannin Composition Affects the Oxidative Activities of Tree Leaves. Journal of Chemical Ecology, 2006, 32, 2235-2251.	0.9	62
62	Comparison of photosynthetic damage from arthropod herbivory and pathogen infection in understory hardwood saplings. Oecologia, 2006, 149, 221-232.	0.9	114
63	Polyphenoloxidase activity in coffee leaves and its role in resistance against the coffee leaf miner and coffee leaf rust. Phytochemistry, 2006, 67, 277-285.	1.4	67
64	Antioxidative response mechanisms in halophytes: Their role in stress defence. Journal of Genetics, 2006, 85, 237-254.	0.4	277
65	Effects of Feeding Spodoptera littoralis on Lima Bean Leaves. III. Membrane Depolarization and Involvement of Hydrogen Peroxide. Plant Physiology, 2006, 140, 1022-1035.	2.3	196
66	Wound-induced Oxidative Responses in Mountain Birch Leaves. Annals of Botany, 2006, 97, 29-37.	1.4	42
67	Phloem sap proteins: their identities and potential roles in the interaction between plants and phloem-feeding insects. Journal of Experimental Botany, 2006, 57, 767-774.	2.4	223
68	Antioxidant defense response in a galling insect. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1889-1894.	3.3	116
69	Arabidopsis Transcriptome Changes in Response to Phloem-Feeding Silverleaf Whitefly Nymphs. Similarities and Distinctions in Responses to Aphids. Plant Physiology, 2007, 143, 849-865.	2.3	344
70	Stage-specific distribution of oxidative radicals and antioxidant enzymes in the midgut of Leptinotarsa decemlineata. Journal of Insect Physiology, 2007, 53, 67-74.	0.9	69
71	Temporal and spatial variation in mountain birch foliar enzyme activities during the larval period of Epirrita autumnata. Chemoecology, 2007, 17, 71-80.	0.6	5
72	A method for quantitative analysis of spatially variable physiological processes across leaf surfaces. Photosynthesis Research, 2007, 90, 161-172.	1.6	48
73	Temperature as a Modifier of Plantâ€“Herbivore Interaction. Journal of Chemical Ecology, 2007, 33, 463-475.	0.9	11
74	Immunological Memory of Mountain Birches: Effects of Phenolics on Performance of the Autumnal Moth Depend on Herbivory History of Trees. Journal of Chemical Ecology, 2007, 33, 1160-1176.	0.9	52

#	Article	IF	Citations
75	Amino Acid Fluctuations in Young and Old Orange Trees and Their Influence on Glassy-Winged Sharpshooter (Homalodisca vitripennis) Population Densities. Journal of Chemical Ecology, 2007, 33, 1692-1706.	0.9	16
76	Oxidation of Ingested Phenolics in the Tree-Feeding Caterpillar Orgyia leucostigma Depends on Foliar Chemical Composition. Journal of Chemical Ecology, 2008, 34, 748-756.	0.9	45
77	Evaluating Ascorbate Oxidase as a Plant Defense Against Leaf-Chewing Insects Using Transgenic Poplar. Journal of Chemical Ecology, 2008, 34, 1331-1340.	0.9	21
78	Foliar oxidases as mediators of the rapidly induced resistance of mountain birch against Epirrita autumnata. Oecologia, 2008, 154, 725-730.	0.9	31
79	Defensive Roles of Polyphenol Oxidase in Plants. , 2008, , 253-270.		117
80	Specialization pays off: contrasting effects of two types of tannins on oak specialist and generalist moth species. Oikos, 2008, 117, 1560-1568.	1.2	95
81	Soybean defense responses to the soybean aphid. New Phytologist, 2008, 179, 185-195.	3.5	121
82	Towards global understanding of plant defence against aphids â€“ timing and dynamics of early Arabidopsis defence responses to cabbage aphid (Brevicoryne brassicae) attack. Plant, Cell and Environment, 2008, 31, 1097-1115.	2.8	264
83	Gut pH, redox conditions and oxygen levels in an aquatic caterpillar: Potential effects on the fate of ingested tannins. Journal of Insect Physiology, 2008, 54, 462-471.	0.9	33
84	Induced Plant Resistance to Herbivory. , 2008, , .		93
85	Overexpression of tomato polyphenol oxidase increases resistance to common cutworm. Plant Science, 2008, 174, 456-466.	1.7	117
86	Silencing Geranylgeranyl Diphosphate Synthase in Nicotiana attenuata Dramatically Impairs Resistance to Tobacco Hornworm Â Â. Plant Physiology, 2008, 146, 974-986.	2.3	85
87	Linking Phenolic Oxidation in the Midgut Lumen with Oxidative Stress in the Midgut Tissues of a Tree-Feeding Caterpillar <I>Malacosoma disstria</I> (Lepidoptera: Lasiocampidae). Environmental Entomology, 2008, 37, 1113-1118.	0.7	19
88	Linking Phenolic Oxidation in the Midgut Lumen with Oxidative Stress in the Midgut Tissues of a Tree-Feeding CaterpillarMalacosoma disstria(Lepidoptera: Lasiocampidae). Environmental Entomology, 2008, 37, 1113-1118.	0.7	19
89	Changes of Oxidase and Hydrolase Activities in Pecan Leaves Elicited by Black Pecan Aphid (Hemiptera:) Tj ETQq0 0 0 rgBT /Overlock 10	0.8	10
90	Metabolic engineering and potential functions of proanthocyanidins in poplar. Plant Signaling and Behavior, 2009, 4, 790-792.	1.2	26
91	Hydrolyzable tannins as â€œquantitative defensesâ€• Limited impact against Lymantria dispar caterpillars on hybrid poplar. Journal of Insect Physiology, 2009, 55, 297-304.	0.9	71
92	Effects of long-term simulated acid rain on a plantâ€“herbivore interaction. Basic and Applied Ecology, 2009, 10, 589-596.	1.2	16

#	Article	IF	Citations
93	Tree resistance to LymantriaÂdispar caterpillars: importance and limitations of foliar tannin composition. Oecologia, 2009, 159, 777-788.	0.9	55
94	Plantâ€“rhizobia mutualism influences aphid abundance on soybean. Plant and Soil, 2009, 323, 187-196.	1.8	57
95	Priming, signaling, and protein production associated with induced resistance by Bacillus amyloliquefaciens KPS46. World Journal of Microbiology and Biotechnology, 2009, 25, 1275-1286.	1.7	34
96	Constitutive and Induced Activities of Defense-Related Enzymes in Aphid-Resistant and Aphid-Susceptible Cultivars of Wheat. Journal of Chemical Ecology, 2009, 35, 176-182.	0.9	77
97	Neodiprion sertifer defoliation causes long-term systemic changes of oxidative enzyme activities in Scots pine needles. Arthropod-Plant Interactions, 2009, 3, 209-214.	0.5	1
98	Effects of feeding Clostera anachoreta on hydrogen peroxide accumulation and activities of peroxidase, catalase, and ascorbate peroxidase in Populus simoniiÂÃ—ÂP. pyramidalis â€˜Opera 8277â€™ leaves. Acta Physiologiae Plantarum, 2009, 31, 995-1002.	1.0	13
99	Herbivoryâ€induced signalling in plants: perception and action. Plant, Cell and Environment, 2009, 32, 1161-1174.	2.8	221
100	Glutathioneâ€“ascorbic acid redox cycle and thioredoxin reductase activity in the digestive tract of Leptinotarsa decemlineata (Say). Insect Biochemistry and Molecular Biology, 2009, 39, 180-188.	1.2	36
101	Biochemical markers of oxidative stress within tissues of cereal aphids. Acta Biologica Hungarica, 2009, 60, 263-272.	0.7	8
102	A Survey of Wound-Induced Changes inCucurbita PepoLeaves. Biotechnology and Biotechnological Equipment, 2009, 23, 217-220.	0.5	6
103	New Insights into Plant Responses to the Attack from Insect Herbivores. Annual Review of Genetics, 2010, 44, 1-24.	3.2	752
104	Effects of elevated ultraviolet-B radiation on a plantâ€“herbivore interaction. Oecologia, 2010, 164, 163-175.	0.9	28
105	Feeding on poplar leaves by caterpillars potentiates foliar peroxidase action in their guts and increases plant resistance. Oecologia, 2010, 164, 993-1004.	0.9	56
106	Biochemical and enzymatic changes in rice plants as a mechanism of defense. Acta Physiologiae Plantarum, 2010, 32, 695-701.	1.0	162
107	Survey of a Salivary Effector in Caterpillars: Glucose Oxidase Variation and Correlation with Host Range. Journal of Chemical Ecology, 2010, 36, 885-897.	0.9	95
108	Vitamin C content in plants is modified by insects and influences susceptibility to herbivory. BioEssays, 2010, 32, 777-790.	1.2	38
109	Differential Proteomic Analysis of Arabidopsis thaliana Genotypes Exhibiting Resistance or Susceptibility to the Insect Herbivore, Plutella xylostella. PLoS ONE, 2010, 5, e10103.	1.1	53
110	Review article: Role of oxidative enzymes in plant defenses against insect herbivory. Acta Phytopathologica Et Entomologica Hungarica, 2010, 45, 277-290.	0.1	38

#	Article	IF	Citations
111	Boron in forest trees and forest ecosystems. Forest Ecology and Management, 2010, 260, 2053-2069.	1.4	102
112	Study of Antioxidant Defense in Four Species of Perloidea (Insecta, Plecoptera). Zoological Science, 2010, 27, 952-958.	0.3	15
113	Crystallization of Î±- and Î²-carotene in the foregut of Spodoptera larvae feeding on a toxic food plant. Insect Biochemistry and Molecular Biology, 2011, 41, 273-281.	1.2	27
114	Interspecific Proteomic Comparisons Reveal Ash Phloem Genes Potentially Involved in Constitutive Resistance to the Emerald Ash Borer. PLoS ONE, 2011, 6, e24863.	1.1	34
115	The role of phenols in the influence of herbal extracts from Salvia officinalis L. and Matricaria chamomilla L. on two-spotted spider mite Tetranychus urticae Koch. Biological Letters, 2011, 48, 193-205.	0.6	14
116	Transcriptional responses of Brassica nigra to feeding by specialist insects of different feeding guilds. Insect Science, 2011, 18, 259-272.	1.5	30
117	Pomegranate (Punica granatum) Juices: Chemical Composition, Micronutrient Cations, and Antioxidant Capacity. Journal of Food Science, 2011, 76, C795-800.	1.5	62
118	Antioxidant genes of the emerald ash borer (Agrilus planipennis): Gene characterization and expression profiles. Journal of Insect Physiology, 2011, 57, 819-824.	0.9	21
119	Boron Fertilization Enhances the Induced Defense of Silver Birch. Journal of Chemical Ecology, 2011, 37, 460-471.	0.9	17
120	Variation in Plant Defense against Invasive Herbivores: Evidence for a Hypersensitive Response in Eastern Hemlocks (Tsuga canadensis). Journal of Chemical Ecology, 2011, 37, 592-597.	0.9	65
121	Bioactivity of pyrogallol against melon fruit fly, Bactrocera cucurbitae. Phytoparasitica, 2011, 39, 361-367.	0.6	4
122	Physiological responses of resistant and susceptible reproductive stage soybean to soybean aphid (Aphis glycines Matsumura) feeding. Arthropod-Plant Interactions, 2011, 5, 49-58.	0.5	32
123	Effects of needle cutting and larval herbivory on systemic induction of antioxidant defense enzymes in Larix gmelinii. Scandinavian Journal of Forest Research, 2011, 26, 61-68.	0.5	1
124	Recent Advances in Plant Early Signaling in Response to Herbivory. International Journal of Molecular Sciences, 2011, 12, 3723-3739.	1.8	151
125	Alleviation of oxidative stress induced by spider mite invasion through application of elicitors in bean plants. Egyptian Journal of Biology, 2012, 14, .	0.1	10
126	False Ring Formation in Eastern Hemlock Branches: Impacts of Hemlock Woolly Adelgid and Elongate Hemlock Scale. Environmental Entomology, 2012, 41, 523-531.	0.7	37
127	Effect of Host Plants on Biochemical Markers of Oxidative Stress within Tissues of Pea Aphid. Journal of Plant Protection Research, 2012, 52, .	1.0	13
128	Roles of reactive oxygen species and anti-oxidant systems in the resistance response of chayote fruit (Sechium edule) to melon fly [Bactrocera cucurbitae(Coquillett)]. Journal of Horticultural Science and Biotechnology, 2012, 87, 391-397.	0.9	6

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129	Induction of Resistance in Tomato Plants Against Fusarium Oxysporum F. SP. Lycopersici Mediated Through Salicylic Acid and Trichoderma Harzianum. Journal of Plant Protection Research, 2012, 52, .	1.0	34
130	Enzymatic activities in roots of melon genotypes infected with Fusarium oxysporum f. sp. melonis race 1. Scientia Horticulturae, 2012, 135, 171-176.	1.7	32
131	The effects of simulated acid rain and heavy metal pollution on the mountain birchâ€“autumnal moth interaction. Chemoecology, 2012, 22, 251-262.	0.6	3
133	Identification of Plasmalogen in the gut of silkworm (Bombyx mori). Insect Biochemistry and Molecular Biology, 2012, 42, 596-601.	1.2	6
134	Detection of a hypersensitive reaction in the chestnut hybrid â€˜Bouche de BÃ©tizacâ€™ infested by Dryocosmus kuriphilus Yasumatsu. Plant Physiology and Biochemistry, 2012, 60, 67-73.	2.8	28
135	Physiological and biochemical changes in different sugar beet genotypes infected with root-knot nematode. Acta Physiologiae Plantarum, 2012, 34, 1847-1861.	1.0	25
136	Evaluation of Some Biochemical Responses in Resistance of Fifteen Bread Wheat (Triticum aestivum L.) Genotypes to Wheat streak mosaic virus. Journal of Agricultural Science, 2012, 4, .	0.1	3
137	Proteomic analysis of Arabidopsis thaliana leaves infested by tobacco whitefly Bemisia tabaci (Gennadius) B biotype. Plant Molecular Biology Reporter, 2012, 30, 379-390.	1.0	12
138	Plant responses to insect herbivory: interactions between photosynthesis, reactive oxygen species and hormonal signalling pathways. Plant, Cell and Environment, 2012, 35, 441-453.	2.8	262
139	Defensive strategies in Geranium sylvaticum, Part 2: Roles of water-soluble tannins, flavonoids and phenolic acids against natural enemies. Phytochemistry, 2013, 95, 408-420.	1.4	35
140	Toxicity of gallic acid to melon fruit fly,Bactrocera cucurbitae(Coquillett) (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 342 Td (	0.6	6
141	ANTIOXIDANT ENZYMES AS DEFENSE MECHANISM AGAINST OXIDATIVE STRESS IN MIDGUT TISSUE AND HEMOCYTES OF Bombyx mori LARVAE SUBJECTED TO VARIOUS STRESSORS. Archives of Insect Biochemistry and Physiology, 2013, 84, 222-234.	0.6	12
142	Effect of host plant on levels of reactive oxygen species andÂantioxidants in the cereal aphids Sitobion avenae andÂRhopalosiphum padi. Biochemical Systematics and Ecology, 2013, 51, 232-239.	0.6	22
143	The role of carotenoids and their derivatives in mediating interactions between insects and their environment. Arthropod-Plant Interactions, 2013, 7, 1-20.	0.5	74
144	Oxidative stress in pea seedling leaves in response to Acyrthosiphon pisum infestation. Phytochemistry, 2013, 93, 49-62.	1.4	89
145	Plant Defense against Insect Herbivores. International Journal of Molecular Sciences, 2013, 14, 10242-10297.	1.8	626
146	Sex-related differences of two ecologically divergent Salix species in the responses of enzyme activities to atmospheric CO₂ enrichment. Biologia Plantarum, 2013, 57, 732-738.	1.9	6
147	Corn Defense Responses to Nitrogen Availability and Subsequent Performance and Feeding Preferences of Beet Armyworm (Lepidoptera: Noctuidae). Journal of Economic Entomology, 2013, 106, 1240-1249.	0.8	13

#	Article	IF	Citations
148	Ellagitannins: defences of Betula nana against Epirrita autumnata folivory?. Agricultural and Forest Entomology, 2013, 15, 187-196.	0.7	6
149	Priming of antiherbivore defensive responses in plants. Insect Science, 2013, 20, 273-285.	1.5	91
150	A link between host plant adaptation and pesticide resistance in the polyphagous spider mite Tetranychus urticae. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E113-22.	3.3	347
151	Environmental influences on maize-Aspergillus flavus interactions and aflatoxin production. Frontiers in Microbiology, 2014, 5, 40.	1.5	98
152	Jasmonic and salicylic acid-induced resistance in sorghum against the stem borer Chilo partellus. Phytoparasitica, 2014, 42, 99-108.	0.6	18
153	Way toward â€œDietary Pesticidesâ€: Molecular Investigation of Insecticidal Action of Caffeic Acid against Helicoverpa armigera. Journal of Agricultural and Food Chemistry, 2014, 62, 10847-10854.	2.4	23
154	Reactive oxygen species as a marine grazing defense: H2O2 and wounded Ascoseira mirabilis both inhibit feeding by an amphipod grazer. Journal of Experimental Marine Biology and Ecology, 2014, 458, 34-38.	0.7	20
155	BOTRYTIS-INDUCED KINASE1 Modulates Arabidopsis Resistance to Green Peach Aphids via PHYTOALEXIN DEFICIENT4 Â Â. Plant Physiology, 2014, 165, 1657-1670.	2.3	75
157	Induced resistance by oxidative shifts in pigeonpea (Cajanus cajan L.) following Helicoverpa armigera (HÃ¼bner) herbivory. Pest Management Science, 2015, 71, 770-782.	1.7	10
158	Antioxidant Capacity Of Wyoming Big Sagebrush (Artemisia tridentataSSP.Wyomingensis) Varies Spatially and is Not Related to the Presence of a Sagebrush Dietary Specialist. Western North American Naturalist, 2015, 75, 78-87.	0.2	1
160	Ghrelin effects on midgut tissue antioxidative defense and glutathioneS-transferase activity in Lymantria dispar (Lepidoptera). Turkish Journal of Biology, 2015, 39, 618-623.	2.1	3
161	Effects of Olive Mill Wastewater on Soil Microarthropods and Soil Chemistry in Two Different Cultivation Scenarios in Israel and Palestinian Territories. Agriculture (Switzerland), 2015, 5, 857-878.	1.4	20
162	Hormonal Regulation of Response to Oxidative Stress in Insectsâ€”An Update. International Journal of Molecular Sciences, 2015, 16, 25788-25816.	1.8	112
163	Transcriptional Profiling of Resistant and Susceptible Buffalograsses in Response to Blissus occiduus (Hemiptera: Blissidae) Feeding. Journal of Economic Entomology, 2015, 108, 1354-1362.	0.8	12
164	Genome-wide characterization and expression profiling of immune genes in the diamondback moth, Plutella xylostella (L.). Scientific Reports, 2015, 5, 9877.	1.6	69
165	Physiological responses of emerald ash borer larvae to feeding on different ash species reveal putative resistance mechanisms and insect counter-adaptations. Journal of Insect Physiology, 2015, 78, 47-54.	0.9	29
166	Single- versus Multiple-Pest Infestation Affects Differently the Biochemistry of Tomato (Solanum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.4	42
167	Oxidative stress associated with rootstockâ€“scion interactions in pear/quince combinations during early stages of graft development. Journal of Plant Physiology, 2015, 176, 25-35.	1.6	63

#	Article	IF	Citations
168	Induced resistance toHelicoverpa armigerathrough exogenous application of jasmonic acid and salicylic acid in groundnut,Arachis hypogaea. Pest Management Science, 2015, 71, 72-82.	1.7	50
169	Quality Matters: Influences of Citrus Flush Physicochemical Characteristics on Population Dynamics of the Asian Citrus Psyllid (Hemiptera: Liviidae). PLoS ONE, 2016, 11, e0168997.	1.1	53
170	Antioxidant Enzyme Responses Induced by Whiteflies in Tobacco Plants in Defense against Aphids: Catalase May Play a Dominant Role. PLoS ONE, 2016, 11, e0165454.	1.1	32
171	Toxicity and physiological effect of quercetin on generalist herbivore, Spodoptera litura Fab. and a non-target earthworm Eisenia fetida Savigny. Chemosphere, 2016, 165, 257-267.	4.2	53
172	Leaf miner-induced morphological, physiological and molecular changes in mangrove plantAvicennia marina(Forsk.) Vierh. Tree Physiology, 2016, 37, 82-97.	1.4	10
173	Transcriptome and Metabolite analysis reveal candidate genes of the cardiac glycoside biosynthetic pathway from Calotropis procera. Scientific Reports, 2016, 6, 34464.	1.6	47
174	Comparative analysis of phenolic profiles of ovipositional fluid of Rhinusa pilosa (Mecinini,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 507 Td 2016, 10, 311-322.	0.5	4
175	Effects of exogenous 24â€epibrassinolide to control grey mould and maintain postharvest quality of table grapes. International Journal of Food Science and Technology, 2016, 51, 1236-1243.	1.3	43
176	Pro-oxidative challenges and antioxidant protection during larval development of non-mulberry silkworm,Antheraea mylitta(Lepidoptera: Saturniidae). Italian Journal of Zoology, 2016, 83, 3-14.	0.6	7
177	Plant-mediated effects on an insectâ€“pathogen interaction vary with intraspecific genetic variation in plant defences. Oecologia, 2017, 183, 1121-1134.	0.9	29
178	Early plant defence against insect attack: involvement of reactive oxygen species in plant responses to insect egg deposition. Planta, 2017, 245, 993-1007.	1.6	55
179	Increased activities of peroxidase and polyphenol oxidase enhance cassava resistance to Tetranychus urticae. Experimental and Applied Acarology, 2017, 71, 195-209.	0.7	24
180	Versatility of peroxisomes: An evolving concept. Tissue and Cell, 2017, 49, 209-226.	1.0	27
181	Defensive responses in Capsicum annuum (L) plants, induced due to the feeding by different larval instars of Spodoptera litura (F). Arthropod-Plant Interactions, 2017, 11, 193-202.	0.5	5
182	Fall Armyworm-Associated Gut Bacteria Modulate Plant Defense Responses. Molecular Plant-Microbe Interactions, 2017, 30, 127-137.	1.4	119
183	Differential toxic effects of Ulva lactuca (Chlorophyta) on the herbivorous gastropods, Littorina littorea and L.Âobtusata (Mollusca). Journal of Phycology, 2017, 53, 361-367.	1.0	16
184	Compositional Changes in Foliage Phenolics with Plant Age, a Natural Experiment in Boreal Forests. Journal of Chemical Ecology, 2017, 43, 920-928.	0.9	23
185	<scp>Solanum dulcamara</scp>'s response to eggs of an insect herbivore comprises ovicidal hydrogen peroxide production. Plant, Cell and Environment, 2017, 40, 2663-2677.	2.8	45

#	Article	IF	Citations
186	Close and distant: Contrasting the metabolism of two closely related subspecies of Scots pine under the effects of folivory and summer drought. Ecology and Evolution, 2017, 7, 8976-8988.	0.8	20
187	Secretory laccase 1 in Bemisia tabaci MED is involved in whitefly-plant interaction. Scientific Reports, 2017, 7, 3623.	1.6	29
188	Exogenous Methyl Jasmonate Treatment Induces Defense Response Against Fusarium culmorum in Wheat Seedlings. Journal of Plant Growth Regulation, 2017, 36, 71-82.	2.8	15
189	Induction of Systemic Resistance against Aphids by Endophytic Bacillus velezensis YC7010 via Expressing PHYTOALEXIN DEFICIENT4 in Arabidopsis. Frontiers in Plant Science, 2017, 8, 211.	1.7	100
190	Induction of Systemic Resistance against Insect Herbivores in Plants by Beneficial Soil Microbes. Frontiers in Plant Science, 2017, 8, 1816.	1.7	127
191	Metagenomic Sequencing of Diamondback Moth Gut Microbiome Unveils Key Holobiont Adaptations for Herbivory. Frontiers in Microbiology, 2017, 8, 663.	1.5	134
192	Proteomic analysis of labial saliva of the generalist cabbage looper (Trichoplusia ni) and its role in interactions with host plants. Journal of Insect Physiology, 2018, 107, 97-103.	0.9	23
193	Yellow, red, dead: the nutritional consequences for Cardiaspina densitexta (Hemiptera: Aphalaridae) nymphs of inducing senescence in old Eucalyptus fasciculosa leaves. Austral Entomology, 2018, 57, 265-278.	0.8	7
194	Quantitative Trait Loci Mapping of Western Corn Rootworm (Coleoptera: Chrysomelidae) Host Plant Resistance in Two Populations of Doubled Haploid Lines in Maize (Zea mays L.). Journal of Economic Entomology, 2018, 111, 435-444.	0.8	8
195	Decoupled dimensions of leaf economic and anti-herbivore defense strategies in a tropical canopy tree community. Oecologia, 2018, 186, 765-782.	0.9	22
196	Transcriptome and defence response in <scp>Eucalyptus camaldulensis</scp> leaves to feeding by Glycaspis brimblecombei Moore (Hemiptera: Aphalaridae): a stealthy psyllid does not go unnoticed. Austral Entomology, 2018, 57, 247-254.	0.8	23
197	Chemical modification of commercial kaolin for mitigation of organic pollutants in environment via adsorption and generation of inorganic pesticides. Applied Clay Science, 2018, 153, 124-133.	2.6	33
198	Soybean defense induction to Spodoptera cosmioides herbivory is dependent on plant genotype and leaf position. Arthropod-Plant Interactions, 2018, 12, 85-96.	0.5	8
199	Bioassayâ€guided isolation of potent aphicidal Erythrina alkaloids against <scp>Aphis gossypii</scp> from the seed of <scp>Erythrina cristaâ€galli</scp> L. Pest Management Science, 2018, 74, 210-218.	1.7	22
200	Diet-dependent gene expression highlights the importance of Cytochrome P450 in detoxification of algal secondary metabolites in a marine isopod. Scientific Reports, 2018, 8, 16824.	1.6	8
201	Evaluation of biological efficacy of Trichoderma asperellum against tomato bacterial wilt caused by Ralstonia solanacearum. Egyptian Journal of Biological Pest Control, 2018, 28, .	0.8	37
202	Differential Impact of Herbivores from Three Feeding Guilds on Systemic Secondary Metabolite Induction, Phytohormone Levels and Plant-Mediated Herbivore Interactions. Journal of Chemical Ecology, 2018, 44, 1178-1189.	0.9	34
203	Pesticidal Activity of Nanostructured Metal Oxides for Generation of Alternative Pesticide Formulations. Journal of Agricultural and Food Chemistry, 2018, 66, 5491-5498.	2.4	54

#	Article	IF	Citations
204	Host plant-derived allelochemicals and metal components are associated with oxidative predominance and antioxidant plasticity in the larval tissues of silkworm, Antheraea mylitta: Further evidence of joint effects hypothesis. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2018, 223, 39-49.	0.7	1
205	Bacterial Symbionts in Lepidoptera: Their Diversity, Transmission, and Impact on the Host. Frontiers in Microbiology, 2018, 9, 556.	1.5	243
206	Herbivore-Induced Defenses in Tomato Plants Enhance the Lethality of the Entomopathogenic Bacterium, Bacillus thuringiensis var. kurstaki. Journal of Chemical Ecology, 2018, 44, 947-956.	0.9	8
207	Induced Plant Defenses Against Herbivory in Cultivated and Wild Tomato. Journal of Chemical Ecology, 2019, 45, 693-707.	0.9	47
208	Effects of carbonaceous nanomaterials on soil-grown soybeans under combined heat and insect stresses. Environmental Chemistry, 2019, 16, 482.	0.7	7
209	Expression analysis of the polyphenol oxidase gene in response to signaling molecules, herbivory and wounding in antisense transgenic tobacco plants. 3 Biotech, 2019, 9, 55.	1.1	16
211	ROS and Oxidative Stress: Origin and Implication. , 2019, , 1-31.		18
212	Activities of antioxidant enzymes in three species of Ludwigia weeds on feeding by Altica cyanea. Journal of King Saud University - Science, 2019, 31, 1522-1527.	1.6	7
213	A salivary ferritin in the whitefly suppresses plant defenses and facilitates host exploitation. Journal of Experimental Botany, 2019, 70, 3343-3355.	2.4	54
214	Bayesian-based survival analysis: inferring time to death in host-pathogen interactions. Environmental and Ecological Statistics, 2019, 26, 17-45.	1.9	2
215	Defense of Scots pine against sawfly eggs (Diprion pini) is primed by exposure to sawfly sex pheromones. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24668-24675.	3.3	31
216	Comparative transcriptome and histological analyses of wheat in response to phytotoxic aphid Schizaphis graminum and non-phytotoxic aphid Sitobion avenae feeding. BMC Plant Biology, 2019, 19, 547.	1.6	31
217	Defense responses of Thuja orientalis to infestation of anholocyclic species aphid Cinara tujafilina. Journal of Plant Physiology, 2019, 232, 160-170.	1.6	11
218	Mediation of Impacts of Elevated CO2 and Light Environment on Arabidopsis thaliana (L.) Chemical Defense against Insect Herbivory Via Photosynthesis. Journal of Chemical Ecology, 2019, 45, 61-73.	0.9	9
219	Bottomâ€up traitâ€mediated indirect effects decrease pathogen transmission in a tritrophic system. Ecology, 2019, 100, e02551.	1.5	10
220	Effect ofNeuroterus quercusbaccarum(L.) galls on physiological and biochemical response ofQuercus roburleaves. Bulletin of Entomological Research, 2020, 110, 34-43.	0.5	7
221	Comparative efficacy of gypsy moth (Lepidoptera: Erebidae) entomopathogens on transgenic blightâ€tolerant and wildâ€type American, Chinese, and hybrid chestnuts (Fagales: Fagaceae). Insect Science, 2020, 27, 1067-1078.	1.5	4
222	Perfluorooctanoic acid and perfluorooctane sulfonate co-exposure induced changes of metabolites and defense pathways in lettuce leaves. Environmental Pollution, 2020, 256, 113512.	3.7	32

#	Article	IF	Citations
223	Colorado potato beetle microsymbiont Enterobacter BC-8 inhibits defense mechanisms of potato plants using crosstalk between jasmonate- and salicylate-mediated signaling pathways. Arthropod-Plant Interactions, 2020, 14, 161-168.	0.5	17
224	Physiological responses of plants and mites to salicylic acid improve the efficacy of spirodiclofen for controlling Tetranychus urticae (Acari: Tetranychidae) on greenhouse tomatoes. Experimental and Applied Acarology, 2020, 82, 319-333.	0.7	10
225	The effects of abiotic stressors and signal molecules on phenolic composition and antioxidant activities of in vitro regenerated Hypericum perforatum (St. John's Wort). South African Journal of Botany, 2020, 133, 253-263.	1.2	8
226	Enzymatic Defense Response of Apple Aphid Aphis pomi to Increased Temperature. Insects, 2020, 11, 436.	1.0	19
227	Antibiosis in wild rice accessions induced by Nilaparvata lugens (StÃ¥l) feeding. Phytoparasitica, 2020, 48, 801-812.	0.6	7
228	Responses to Alteration of Atmospheric Oxygen and Social Environment Suggest Trade-Offs among Growth Rate, Life Span, and Stress Susceptibility in Giant Mealworms (Zophobas morio). Physiological and Biochemical Zoology, 2020, 93, 358-368.	0.6	3
229	Understanding the heat resistance of cucumber through leaf transcriptomics. Functional Plant Biology, 2020, 47, 704.	1.1	8
230	Complex Relationships at the Intersection of Insect Gut Microbiomes and Plant Defenses. Journal of Chemical Ecology, 2020, 46, 793-807.	0.9	36
231	Modulation of insect-induced oxidative stress responses by microbial fertilizers in Brassica juncea. FEMS Microbiology Ecology, 2020, 96, .	1.3	8
232	Toxic effect of Spirulina platensis and Sargassum vulgar as natural pesticides on survival and biological characteristics of cotton leaf worm Spodoptera littoralis. Scientific African, 2020, 8, e00323.	0.7	8
233	Endophytic bacteria in plant disease management. , 2020, , 61-89.		18
234	Antioxidant activity and protein profile of oil palm seedlingâ€™s cabbage tissues infested with Rhynchophorus ferrugineus (red palm weevil). , 2021, , .		0
235	Molecular and Biochemical Aspect of Insect-Plant Interaction: A Perspective for Pest Management. , 2021, , 417-436.		4
236	Interaction between Acyrthosiphon pisum and selenium-treated Pisum sativum. , 2021, 88, 58-76.		2
237	Prominence of Antioxidant Potential of Plants and Its Induction by Interaction with Microorganisms. , 2021, , 551-564.		1
238	The Multifunctional Roles of Polyphenols in Plant-Herbivore Interactions. International Journal of Molecular Sciences, 2021, 22, 1442.	1.8	115
239	Synergy in Efficacy of Artemisia sieversiana Crude Extract and Metarhizium anisopliae on Resistant Oedaleus asiaticus. Frontiers in Physiology, 2021, 12, 642893.	1.3	2
240	Negative regulation of plastidial isoprenoid pathway by herbivore-induced Î²-cyclocitral in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	30

#	Article	IF	Citations
241	Influence of titanium dioxide nanoparticles on bioaccumulation, antioxidant defense and immune system of Galleria mellonella L.. Environmental Science and Pollution Research, 2021, 28, 38007-38015.	2.7	13
242	Model Organizma Galleria mellonella L.â€™da BakÄ±r NanopartikÃ¼llerinin Oksidatif Stres Ãœzerine Etkilerinin DeÄŸerlendirilmesi. Journal of Anatolian Environmental and Animal Sciences, 2021, 6, 278-284.	0.2	2
243	Changes in Aphidâ€”Plant Interactions under Increased Temperature. Biology, 2021, 10, 480.	1.3	11
244	Soil and plant health in relation to dynamic sustainment of Eh and pH homeostasis: A review. Plant and Soil, 2021, 466, 391-447.	1.8	22
245	Fruit Herbivory Alters Plant Electrome: Evidence for Fruit-Shoot Long-Distance Electrical Signaling in Tomato Plants. Frontiers in Sustainable Food Systems, 2021, 5, .	1.8	15
246	Changes in Antioxidative, Oxidoreductive and Detoxification Enzymes during Development of Aphids and Temperature Increase. Antioxidants, 2021, 10, 1181.	2.2	10
247	Amino and fatty acids contributing to antibiosis against Chilo partellus (Swinhoe) in maize. Arthropod-Plant Interactions, 2021, 15, 721-736.	0.5	2
248	Elicitation of biomolecules as host defense arsenals during insect attacks on tea plants (Camellia) Tj ETQq1 1 0.784314 rgBT /Overloc	1.7	18
249	Previous herbivory modulates aphid population growth and plant defense responses in a non-model plant, Carthamus tinctorius (Asteraceae). Bulletin of Entomological Research, 2021, , 1-11.	0.5	1
250	Implications of mistletoe parasitism for the host metabolome: A new plant identity in the forest canopy. Plant, Cell and Environment, 2021, 44, 3655-3666.	2.8	8
251	Parasitoid Causes Cascading Effects on Plant-Induced Defenses Mediated Through the Gut Bacteria of Host Caterpillars. Frontiers in Microbiology, 2021, 12, 708990.	1.5	6
252	Phenylpropanoid Metabolism Induced by Wounding and Insect Herbivory. , 2008, , 189-211.		33
253	Evolution of Plant Resistance and Susceptibility to Fungal Parasites. , 1997, , 257-276.		17
254	Influence of carmine spider mite Tetranychus cinnabarinus Boisd. (Acarida: Tetranychidae) feeding on ethylene production and the activity of oxidative enzymes in damaged tomato plants. , 2002, , 389-392.		11
255	Signals Regulating Multiple Responses to Wounding and Herbivores. , 0, .		41
256	Potassium silicate-induced resistance against blackfly in seedlings ofCitrus reticulata. Fruits, 2016, 71, 49-55.	0.3	8
257	Enhanced aphid detoxification when confronted by a host with elevated ROS production. Plant Signaling and Behavior, 2015, 10, e1010936.	1.2	10
258	Sites of Generation and Physicochemical Basis of Formation of Reactive Oxygen Species in Plant Cell. , 2010, , 1-30.		29

#	Article	IF	Citations
259	Biochemical Aspects of the Soybean Response to Herbivory Injury by the Brown Stink Bug Euschistus heros (Hemiptera: Pentatomidae). PLoS ONE, 2014, 9, e109735.	1.1	14
260	THE EFFECT OF PLANT QUALITY ON SURVIVAL OF LYMANTRIA DISPAR (LEPIDOPTERA: LYMANTRIIDAE) LARVAE INFECTED BY BACILLUS THURINGIENSIS BERLINER SUBSP. KURSTAKI. Applied Ecology and Environmental Research, 2017, 15, 837-847.	0.2	2
261	Aphid (Hemiptera: Aphididae) Resistance in Wheat Near-Isogenic Lines. Journal of Economic Entomology, 2004, 97, 646-653.	0.8	11
262	Impact of two insect growth regulators on the enhancement of oxidative stress and antioxidant efficiency of the cotton leaf worm, Spodoptera littoralis (Biosd.). Egyptian Academic Journal of Biological Sciences, 2012, 5, 137-149.	0.1	5
263	Physiological responses of Pedunculate oak (Quercus robur L.) to Corythucha arcuata (Say, 1832) attack. Archives of Biological Sciences, 2019, 71, 167-176.	0.2	17
264	Hemp Pest Spectrum and Potential Relationship between Helicoverpa zea Infestation and Hemp Production in the United States in the Face of Climate Change. Insects, 2021, 12, 940.	1.0	14
265	Induced Resistance to Bean Leaf Beetle (Coleoptera: Chrysomelidae) in Soybean. Journal of Entomological Science, 2001, 36, 438-444.	0.2	4
266	Soil Sodicity Induced Changes in Aromatic Plants: Effects on Growth, Water Relation, Photosynthetic Pigments, Antioxidative Enzymes, Cations Concentration and Quality of Ocimum sanctum. Research Journal of Medicinal Plant, 2015, 9, 375-394.	0.3	3
268	Tolerance of mango ginger (Curcuma amada Roxb.) against sodic stress soil: Effects on growth, rhizome yield, water relation, photosynthetic pigments, antioxidative enzymes, cations and heavy metals concentration. Horticulture International Journal, 2018, 2, .	0.2	1
270	Impact of Dopamine and Hydrogen Peroxide on Physiological Stress Parameters of Sarcophaga surcoufi (Diptera: Sarcophagidae). Journal of Entomological Science, 2020, 55, 189.	0.2	0
271	Constitutive and Induced Resistance Genes. , 2005, , 269-301.		0
272	Role of reactive oxygen species and isoflavonoids in soybean resistance to the attack of the southern green stink bug. PeerJ, 2020, 8, e9956.	0.9	9
273	Hydrogen peroxide acts as a second messenger for the induction of defense genes in tomato plants in response to wounding, systemin, and methyl jasmonate. Plant Cell, 2001, 13, 179-91.	3.1	244
274	Chinese Cabbage Changes Its Release of Volatiles to Defend against Spodoptera litura. Insects, 2022, 13, 73.	1.0	8
275	Metaâ€analysis of induced antiâ€herbivore defence traits in plants from 647 manipulative experiments with natural and simulated herbivory. Journal of Ecology, 2022, 110, 799-816.	1.9	7
276	Inoculation of cucumber plants with Beauveria bassiana enhances resistance to Aphis gossypii (Hemiptera: Aphididae) and increases aphid susceptibility to pirimicarb. European Journal of Entomology, 0, 119, 1-11.	1.2	6
277	Oviposition behaviour and biochemical response of an insect pest, Zeugodacus cucurbitae (Coquillett) (Diptera: Tephritidae) to plant phenolic compound phloroglucinol. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2022, 255, 109291.	1.3	7
278	Deciphering the Molecular Mechanisms of Insecticide Resistance From the Transcriptome Data of Field Evolved Spinosad Resistant and Susceptible Populations of Plutella xylostella (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlo	0.8	

#	Article	IF	Citations
282	Bumblebee attraction toMatthiola lividaflowers is altered by combined water stress and insect herbivory. Entomologia Experimentalis Et Applicata, 2022, 170, 666-680.	0.7	3
283	Effects of herbivory on carotenoid biosynthesis and breakdown. Methods in Enzymology, 2022, , .	0.4	1
284	The Impact of Green Shield Bug (Palomena prasina [Hemiptera: Pentatomidae]) Infestation on Antioxidant Enzyme Activities in Hazelnut (Corylus avellanaÂL. cvs. â€˜Tombul‚€™ â€˜Palazâ€™ and â€˜Ã‡akÄ±ldakâ€™). Erwerbs-Obstbau, 0, , .	1.0	5
285	Changes in defense-related antioxidative enzymes amongst the resistant and susceptible soybean genotypes under whitefly, Bemisia tabaci (Hemiptera: Aleyrodidae) stress. Phytoparasitica, 2023, 51, 63-75.	0.6	3
286	Stress-induced defense in sorghum in response to attack by the spotted stem borer, Chilo partellus (Swinhoe). Phytoparasitica, 0, , .	0.6	0
287	Exogenous Calcium Suppresses the Oviposition Choices of Frankliniella occidentalis (Thysanoptera:) Tj ETQq1 1 0.784314 rgBT /Over Blend Emissions in Kidney Bean Plants. Insects, 2022, 13, 1127.	1.0	2
288	A broad spectrum of host plant responses to the actions of the gall midge: case study of Robinia pseudoacacia L. and Obolodiplosis robiniae (Haldeman). BMC Plant Biology, 2023, 23, .	1.6	1
289	Impact of elevated carbon dioxide on the protective enzymes in brown planthopper (Nilaparvata) Tj ETQq1 1 0.784314 rgBT /Overloc		3
291	Tomato Chemical Defenses Intensify Corn Earworm (Helicoverpa zea) Mortality from Opportunistic Bacterial Pathogens. Journal of Chemical Ecology, 2023, 49, 313-324.	0.9	5
292	Toxicological Effects of Nanomaterials in Terrestrial and Aquatic Insects. , 2023, , 2581-2595.		0