

Dawn S Luthe

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3343151/publications.pdf>

Version: 2024-02-01

30
papers

2,233
citations

279798

23
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

1929
citing authors

#	ARTICLE	IF	CITATIONS
1	Herbivore exploits orally secreted bacteria to suppress plant defenses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15728-15733.	7.1	386
2	Insect feeding mobilizes a unique plant defense protease that disrupts the peritrophic matrix of caterpillars. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 13319-13323.	7.1	219
3	A Unique 33-kD Cysteine Proteinase Accumulates in Response to Larval Feeding in Maize Genotypes Resistant to Fall Armyworm and Other Lepidoptera. <i>Plant Cell</i> , 2000, 12, 1031-1040.	6.6	194
4	Plants on early alert: glandular trichomes as sensors for insect herbivores. <i>New Phytologist</i> , 2009, 184, 644-656.	7.3	181
5	Fall Armyworm-Associated Gut Bacteria Modulate Plant Defense Responses. <i>Molecular Plant-Microbe Interactions</i> , 2017, 30, 127-137.	2.6	119
6	Salivary Glucose Oxidase from Caterpillars Mediates the Induction of Rapid and Delayed-Induced Defenses in the Tomato Plant. <i>PLoS ONE</i> , 2012, 7, e36168.	2.5	107
7	Mir1-CP, a novel defense cysteine protease accumulates in maize vascular tissues in response to herbivory. <i>Planta</i> , 2007, 226, 517-527.	3.2	80
8	Turnabout Is Fair Play: Herbivory-Induced Plant Chitinases Excreted in Fall Armyworm Frass Suppress Herbivore Defenses in Maize. <i>Plant Physiology</i> , 2016, 171, 694-706.	4.8	74
9	Ethylene Contributes to <i>maize insect resistance1</i> -Mediated Maize Defense against the Phloem Sap-Sucking Corn Leaf Aphid. <i>Plant Physiology</i> , 2015, 169, 313-324.	4.8	65
10	Plant defenses interact with insect enteric bacteria by initiating a leaky gut syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15991-15996.	7.1	65
11	ATP Hydrolyzing Salivary Enzymes of Caterpillars Suppress Plant Defenses. <i>PLoS ONE</i> , 2012, 7, e41947.	2.5	64
12	Endophytic <i>Metarhizium robertsii</i> promotes maize growth, suppresses insect growth, and alters plant defense gene expression. <i>Biological Control</i> , 2020, 144, 104167.	3.0	64
13	Host-specific salivary elicitor(s) of European corn borer induce defenses in tomato and maize. <i>New Phytologist</i> , 2013, 199, 66-73.	7.3	62
14	A Naturally Occurring Plant Cysteine Protease Possesses Remarkable Toxicity against Insect Pests and Synergizes <i>Bacillus thuringiensis</i> Toxin. <i>PLoS ONE</i> , 2008, 3, e1786.	2.5	61
15	Maize Plants Recognize Herbivore-Associated Cues from Caterpillar Frass. <i>Journal of Chemical Ecology</i> , 2015, 41, 781-792.	1.8	61
16	12-Oxo-Phytodienoic Acid Acts as a Regulator of Maize Defense against Corn Leaf Aphid. <i>Plant Physiology</i> , 2019, 179, 1402-1415.	4.8	61
17	Factors Associated with Resistance to Fall Armyworm (Lepidoptera: Noctuidae) and Southwestern Corn Borer (Lepidoptera: Crambidae) in Corn at Different Vegetative Stages. <i>Journal of Economic Entomology</i> , 1998, 91, 1471-1480.	1.8	57
18	Caterpillar attack triggers accumulation of the toxic maize protein <i>RIP2</i> . <i>New Phytologist</i> , 2014, 201, 928-939.	7.3	56

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19	Herbivore Cues from the Fall Armyworm (<i>Spodoptera frugiperda</i>) Larvae Trigger Direct Defenses in Maize. <i>Molecular Plant-Microbe Interactions</i> , 2014, 27, 461-470.	2.6	56
20	Colorado potato beetle manipulates plant defenses in local and systemic leaves. <i>Plant Signaling and Behavior</i> , 2013, 8, e27592.	2.4	34
21	Lessons from the Far End: Caterpillar FRASS-Induced Defenses in Maize, Rice, Cabbage, and Tomato. <i>Journal of Chemical Ecology</i> , 2016, 42, 1130-1141.	1.8	34
22	Buffered delivery of phosphate to <i>Arabidopsis</i> alters responses to low phosphate. <i>Journal of Experimental Botany</i> , 2018, 69, 1207-1219.	4.8	32
23	Cover crop species affect mycorrhizae-mediated nutrient uptake and pest resistance in maize. <i>Renewable Agriculture and Food Systems</i> , 2020, 35, 467-474.	1.8	32
24	Salivary signals of European corn borer induce indirect defenses in tomato. <i>Plant Signaling and Behavior</i> , 2013, 8, e27318.	2.4	15
25	Transcriptomic and volatile signatures associated with maize defense against corn leaf aphid. <i>BMC Plant Biology</i> , 2021, 21, 138.	3.6	13
26	Intraplant communication in maize contributes to defense against insects. <i>Plant Signaling and Behavior</i> , 2016, 11, e1212800.	2.4	10
27	Plant Nutrition Influences Resistant Maize Defense Responses to the Fall Armyworm (<i>Spodoptera</i>) Tj ETQq1 1 0.784314 rgBT /Overload	2.2	10
28	Top-down effects from parasitoids may mediate plant defence and plant fitness. <i>Functional Ecology</i> , 2020, 34, 1767-1778.	3.6	9
29	Maize Endochitinase Expression in Response to Fall Armyworm Herbivory. <i>Journal of Chemical Ecology</i> , 2021, 47, 689-706.	1.8	7
30	Key Genes in the JAZ Signaling Pathway Are Up-Regulated Faster and More Abundantly in Caterpillar-Resistant Maize. <i>Journal of Chemical Ecology</i> , 2022, 48, 179-195.	1.8	5