Dawn S Luthe

List of Publications by Year
in descending order

30	2,233	23	30
papers	citations	h-index	g-index
		279798	454955

30	30	30	1929
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Key Genes in the JAZ Signaling Pathway Are Up-Regulated Faster and More Abundantly in Caterpillar-Resistant Maize. Journal of Chemical Ecology, 2022, 48, 179-195.	1.8	5
2	Plant Nutrition Influences Resistant Maize Defense Responses to the Fall Armyworm (Spodoptera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.2	10
3	Transcriptomic and volatile signatures associated with maize defense against corn leaf aphid. BMC Plant Biology, 2021, 21, 138.	3.6	13
4	Maize Endochitinase Expression in Response to Fall Armyworm Herbivory. Journal of Chemical Ecology, 2021, 47, 689-706.	1.8	7
5	Cover crop species affect mycorrhizae-mediated nutrient uptake and pest resistance in maize. Renewable Agriculture and Food Systems, 2020, 35, 467-474.	1.8	32
6	Topâ€down effects from parasitoids may mediate plant defence and plant fitness. Functional Ecology, 2020, 34, 1767-1778.	3.6	9
7	Endophytic Metarhizium robertsii promotes maize growth, suppresses insect growth, and alters plant defense gene expression. Biological Control, 2020, 144, 104167.	3.0	64
8	Plant defenses interact with insect enteric bacteria by initiating a leaky gut syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15991-15996.	7.1	65
9	12-Oxo-Phytodienoic Acid Acts as a Regulator of Maize Defense against Corn Leaf Aphid. Plant Physiology, 2019, 179, 1402-1415.	4.8	61
10	Buffered delivery of phosphate to Arabidopsis alters responses to low phosphate. Journal of Experimental Botany, 2018, 69, 1207-1219.	4.8	32
11	Fall Armyworm-Associated Gut Bacteria Modulate Plant Defense Responses. Molecular Plant-Microbe Interactions, 2017, 30, 127-137.	2.6	119
12	Turnabout Is Fair Play: Herbivory-Induced Plant Chitinases Excreted in Fall Armyworm Frass Suppress Herbivore Defenses in Maize. Plant Physiology, 2016, 171, 694-706.	4.8	74
13	Lessons from the Far End: Caterpillar FRASS-Induced Defenses in Maize, Rice, Cabbage, and Tomato. Journal of Chemical Ecology, 2016, 42, 1130-1141.	1.8	34
14	Intraplant communication in maize contributes to defense against insects. Plant Signaling and Behavior, 2016, 11, e1212800.	2.4	10
15	Ethylene Contributes to <i>maize insect resistance1</i>-Mediated Maize Defense against the Phloem Sap-Sucking Corn Leaf Aphid. Plant Physiology, 2015, 169, 313-324.	4.8	65
16	Maize Plants Recognize Herbivore-Associated Cues from Caterpillar Frass. Journal of Chemical Ecology, 2015, 41, 781-792.	1.8	61
17	Caterpillar attack triggers accumulation of the toxic maize protein <scp>RIP</scp>2. New Phytologist, 2014, 201, 928-939.	7.3	56
18	Herbivore Cues from the Fall Armyworm (<i>Spodoptera frugiperda</i>) Larvae Trigger Direct Defenses in Maize. Molecular Plant-Microbe Interactions, 2014, 27, 461-470.	2.6	56

#	Article	IF	Citations
19	Colorado potato beetle manipulates plant defenses in local and systemic leaves. Plant Signaling and Behavior, 2013, 8, e27592.	2.4	34
20	Hostâ€specific salivary elicitor(s) of <scp>E</scp>uropean corn borer induce defenses in tomato and maize. New Phytologist, 2013, 199, 66-73.	7.3	62
21	Herbivore exploits orally secreted bacteria to suppress plant defenses. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15728-15733.	7.1	386
22	Salivary signals of European corn borer induce indirect defenses in tomato. Plant Signaling and Behavior, 2013, 8, e27318.	2.4	15
23	Salivary Glucose Oxidase from Caterpillars Mediates the Induction of Rapid and Delayed-Induced Defenses in the Tomato Plant. PLoS ONE, 2012, 7, e36168.	2.5	107
24	ATP Hydrolyzing Salivary Enzymes of Caterpillars Suppress Plant Defenses. PLoS ONE, 2012, 7, e41947.	2.5	64
25	Plants on early alert: glandular trichomes as sensors for insect herbivores. New Phytologist, 2009, 184, 644-656.	7.3	181
26	A Naturally Occurring Plant Cysteine Protease Possesses Remarkable Toxicity against Insect Pests and Synergizes Bacillus thuringiensis Toxin. PLoS ONE, 2008, 3, e1786.	2.5	61
27	Mir1-CP, a novel defense cysteine protease accumulates in maize vascular tissues in response to herbivory. Planta, 2007, 226, 517-527.	3.2	80
28	Insect feeding mobilizes a unique plant defense protease that disrupts the peritrophic matrix of caterpillars. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13319-13323.	7.1	219
29	A Unique 33-kD Cysteine Proteinase Accumulates in Response to Larval Feeding in Maize Genotypes Resistant to Fall Armyworm and Other Lepidoptera. Plant Cell, 2000, 12, 1031-1040.	6.6	194
30	Factors Associated with Resistance to Fall Armyworm (Lepidoptera: Noctuidae) and Southwestern Corn Borer (Lepidoptera: Crambidae) in Corn at Different Vegetative Stages. Journal of Economic Entomology, 1998, 91, 1471-1480.	1.8	57