Angela M Smilanich

List of Publications by Year
in descending order

30	1,903	394421 19	454955 30
papers	citations	h-index	g-index

32	32	32	2178
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The global distribution of diet breadth in insect herbivores. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 442-447.	7.1	454
2	Phytochemical diversity drives plantâ€“insect community diversity. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10973-10978.	7.1	246
3	Immunological cost of chemical defence and the evolution of herbivore diet breadth. Ecology Letters, 2009, 12, 612-621.	6.4	156
4	Phytochemical diversity and synergistic effects on herbivores. Phytochemistry Reviews, 2016, 15, 1153-1166.	6.5	97
5	Modern approaches to study plantâ€“insect interactions in chemical ecology. Nature Reviews Chemistry, 2018, 2, 50-64.	30.2	97
6	The insect immune response and other putative defenses as effective predictors of parasitism. Ecology, 2009, 90, 1434-1440.	3.2	96
7	Intraspecific phytochemical variation shapes community and population structure for specialist caterpillars. New Phytologist, 2016, 212, 208-219.	7.3	90
8	Synergistic Effects of Amides from Two Piper Species on Generalist and Specialist Herbivores. Journal of Chemical Ecology, 2010, 36, 1105-1113.	1.8	86
9	Does plant apparency matter? Thirty years of data provide limited support but reveal clear patterns of the effects of plant chemistry on herbivores. New Phytologist, 2016, 210, 1044-1057.	7.3	84
10	Complex effects of parasitoids on pharmacophagy and diet choice of a polyphagous caterpillar. Oecologia, 2011, 165, 995-1005.	2.0	65
11	Synergistic Effects of Iridoid Glycosides on the Survival, Development and Immune Response of a Specialist Caterpillar, Junonia coenia (Nymphalidae). Journal of Chemical Ecology, 2012, 38, 1276-1284.	1.8	62
12	A quantitative evaluation of major plant defense hypotheses, nature versus nurture, and chemistry versus ants. Arthropod-Plant Interactions, 2011, 5, 125-139.	1.1	50
13	Ecological Immunology Mediated by Diet in Herbivorous Insects. Integrative and Comparative Biology, 2014, 54, 913-921.	2.0	41
14	Effects of Ingested Secondary Metabolites on the Immune Response of a Polyphagous Caterpillar Grammia incorrupta. Journal of Chemical Ecology, 2011, 37, 239-245.	1.8	38
15	Host plant associated enhancement of immunity and survival in virus infected caterpillars. Journal of Invertebrate Pathology, 2018, 151, 102-112.	3.2	35
16	Reduced consumption of protein-rich foods follows immune challenge in a polyphagous caterpillar. Journal of Experimental Biology, 2014, 217, 2250-60.	1.7	30
17	Across Multiple Species, Phytochemical Diversity and Herbivore Diet Breadth Have Cascading Effects on Herbivore Immunity and Parasitism in a Tropical Model System. Frontiers in Plant Science, 2018, 9, 656.	3.6	25
18	Patterns in parasitism frequency explained by diet and immunity. Ecography, 2017, 40, 803-805.	4.5	21

#	Article	IF	Citations
19	Host plant-dependent effects of microbes and phytochemistry on the insect immune response. Oecologia, 2019, 191, 141-152.	2.0	21
20	Use of an exotic host plant shifts immunity, chemical defense, and viral burden in wild populations of a specialist insect herbivore. Ecology and Evolution, 2022, 12, e8723.	1.9	15
21	Effects of Banana Plantation Pesticides on the Immune Response of Lepidopteran Larvae and Their Parasitoid Natural Enemies. Insects, 2012, 3, 616-628.	2.2	13
22	Novel Insights into Tritrophic Interaction Diversity and Chemical Ecology Using 16 Years of Volunteer-Supported Research.. American Entomologist, 2012, 58, 15-19.	0.2	12
23	Host conservatism, geography, and elevation in the evolution of a Neotropical moth radiation. Evolution; International Journal of Organic Evolution, 2017, 71, 2885-2900.	2.3	10
24	The Effect of Phenoloxidase Activity on Survival Is Host Plant Dependent in Virus-Infected Caterpillars. Journal of Insect Science, 2020, 20, .	1.5	9
25	Phytochemistry reflects different evolutionary history in traditional classes versus specialized structural motifs. Scientific Reports, 2021, 11, 17247.	3.3	9
26	Good Things Come in Larger Packages: Size Matters for Adult Fruit-Feeding Butterfly Dispersal and Larval Diet Breadth. Diversity, 2021, 13, 664.	1.7	9
27	A neonicotinoid pesticide alters how nectar chemistry affects bees. Functional Ecology, 2022, 36, 1063-1073.	3.6	8
28	Host Plant Effects on the Caterpillar Immune Response. Fascinating Life Sciences, 2022, , 449-484.	0.9	8
29	Unlocking the genetic basis of monarch butterflies' use of medicinal plants. Molecular Ecology, 2019, 28, 4839-4841.	3.9	7
30	Elevated atmospheric concentrations of CO₂ increase endogenous immune function in a specialist herbivore. Journal of Animal Ecology, 2021, 90, 628-640.	2.8	3