

# Michael Rostas

## List of Publications by Year in descending order

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58  
papers

1,822  
citations

236925

25  
h-index

289244

40  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2139  
citing authors

#	ARTICLE	IF	CITATIONS
1	Olfactory responses of Argentine stem weevil to herbivory and endophyte-colonisation in perennial ryegrass. <i>Journal of Pest Science</i> , 2022, 95, 263-277.	3.7	8
2	Behavioural responses of diapausing <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae) to conspecific volatile organic compounds. <i>Journal of Applied Entomology</i> , 2022, 146, 319-327.	1.8	2
3	Perspectives for integrated insect pest protection in oilseed rape breeding. <i>Theoretical and Applied Genetics</i> , 2022, 135, 3917-3946.	3.6	11
4	Histidine kinase two-component response regulators Ssk1, Skn7 and Rim15 differentially control growth, developmental and volatile organic compounds emissions as stress responses in <i>Trichoderma atroviride</i> . <i>Current Research in Microbial Sciences</i> , 2022, 3, 100139.	2.3	2
5	Biological control of invasive stink bugs: review of global state and future prospects. <i>Entomologia Experimentalis Et Applicata</i> , 2021, 169, 28-51.	1.4	60
6	Insights into Metabolic Changes Caused by the <i>Trichoderma virens</i> –Maize Root Interaction. <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, 524-537.	2.6	14
7	Lack of involvement of chitinase in direct toxicity of <i>Beauveria bassiana</i> cultures to the aphid <i>Myzus persicae</i> . <i>Journal of Invertebrate Pathology</i> , 2020, 169, 107276.	3.2	9
8	Production of Microsclerotia From Entomopathogenic Fungi and Use in Maize Seed Coating as Delivery for Biocontrol Against <i>Fusarium graminearum</i> . <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	3.9	11
9	Effects of a maize root pest and fungal pathogen on entomopathogenic fungal rhizosphere colonization, endophytism and induction of plant hormones. <i>Biological Control</i> , 2020, 150, 104347.	3.0	28
10	Host Range Expansion of an Endemic Insect Herbivore is Associated With High Nitrogen and Low Fibre Content in Exotic Pasture Plants. <i>Journal of Chemical Ecology</i> , 2020, 46, 544-556.	1.8	6
11	Volatile release, mobility, and mortality of diapausing <i>Halyomorpha halys</i> during simulated shipping movements and temperature changes. <i>Journal of Pest Science</i> , 2019, 92, 633-641.	3.7	11
12	Global change-driven modulation of bottom-up forces and cascading effects on biocontrol services. <i>Current Opinion in Insect Science</i> , 2019, 35, 27-33.	4.4	32
13	Effect of coating maize seed with entomopathogenic fungi on plant growth and resistance against <i>Fusarium graminearum</i> and <i>Costelytra giveni</i> . <i>Biocontrol Science and Technology</i> , 2019, 29, 877-900.	1.3	22
14	Volatile compounds as insect lures: factors affecting release from passive dispenser systems. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2019, 47, 208-223.	1.3	15
15	Transcriptional Reprogramming of <i>Arabidopsis thaliana</i> Defence Pathways by the Entomopathogen <i>Beauveria bassiana</i> Correlates With Resistance Against a Fungal Pathogen but Not Against Insects. <i>Frontiers in Microbiology</i> , 2019, 10, 615.	3.5	37
16	Contrasting olfactory responses of two egg parasitoids to buckwheat floral scent are reflected in field parasitism rates. <i>Journal of Pest Science</i> , 2019, 92, 747-756.	3.7	20
17	Identification and functional characterisation of an allene oxide synthase from grapevine ( <i>Vitis</i> ) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10	2.3	21
18	Identification of volatiles released by diapausing brown marmorated stink bug, <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae). <i>PLoS ONE</i> , 2018, 13, e0191223.	2.5	21

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19	The NADPH Oxidases Nox1 and Nox2 Differentially Regulate Volatile Organic Compounds, Fungistatic Activity, Plant Growth Promotion and Nutrient Assimilation in <i>Trichoderma atroviride</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 3271.	3.5	31
20	Ants contribute to pollination but not to reproduction in a rare calcareous grassland forb. <i>PeerJ</i> , 2018, 6, e4369.	2.0	15
21	Chemical ecology meets conservation biological control: identifying plant volatiles as predictors of floral resource suitability for an egg parasitoid of stink bugs. <i>Journal of Pest Science</i> , 2017, 90, 299-310.	3.7	42
22	Environmental Growth Conditions of <i>Trichoderma</i> spp. Affects Indole Acetic Acid Derivatives, Volatile Organic Compounds, and Plant Growth Promotion. <i>Frontiers in Plant Science</i> , 2017, 8, 102.	3.6	187
23	Editorial: Grassland-Invertebrate Interactions: Plant Productivity, Resilience and Community Dynamics. <i>Frontiers in Plant Science</i> , 2017, 8, 1413.	3.6	1
24	Evolution of Specialization of <i>Cassida rubiginosa</i> on <i>Cirsium arvense</i> (Compositae, Cardueae). <i>Frontiers in Plant Science</i> , 2016, 7, 1261.	3.6	9
25	Measuring Chitinase and Protease Activity in Cultures of Fungal Entomopathogens. <i>Methods in Molecular Biology</i> , 2016, 1477, 177-189.	0.9	5
26	Role of needle surface waxes in dynamic exchange of mono- and sesquiterpenes. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7813-7823.	4.9	22
27	Salinity stress effects on direct and indirect defence metabolites in maize. <i>Environmental and Experimental Botany</i> , 2016, 122, 68-77.	4.2	62
28	Olfactory responses of western flower thrips ( <i>Frankliniella occidentalis</i> ) populations to a non-pheromone lure. <i>Entomologia Experimentalis Et Applicata</i> , 2015, 156, 254-262.	1.4	7
29	Leaf traits of congeneric host plants explain differences in performance of a specialist herbivore. <i>Ecological Entomology</i> , 2015, 40, 237-246.	2.2	6
30	Aboveground endophyte affects root volatile emission and host plant selection of a belowground insect. <i>Oecologia</i> , 2015, 177, 487-497.	2.0	69
31	<i>Trichoderma atroviride</i> LU132 promotes plant growth but not induced systemic resistance to <i>Plutella xylostella</i> in oilseed rape. <i>BioControl</i> , 2014, 59, 241-252.	2.0	36
32	Gall volatiles defend aphids against a browsing mammal. <i>BMC Evolutionary Biology</i> , 2013, 13, 193.	3.2	60
33	Copper and herbivory lead to priming and synergism in phytohormones and plant volatiles in the absence of salicylate-jasmonate antagonism. <i>Plant Signaling and Behavior</i> , 2013, 8, e24264.	2.4	10
34	Heavy metal stress can prime for herbivore-induced plant volatile emission. <i>Plant, Cell and Environment</i> , 2012, 35, 1287-1298.	5.7	47
35	Host Sex Discrimination by an Egg Parasitoid on Brassica Leaves. <i>Journal of Chemical Ecology</i> , 2011, 37, 622-628.	1.8	21
36	Nitrogen Deficiency Affects Bottom-Up Cascade Without Disrupting Indirect Plant Defense. <i>Journal of Chemical Ecology</i> , 2010, 36, 642-651.	1.8	37

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37	Ants as Pollinators of Plants and the Role of Floral Scents. Cellular Origin and Life in Extreme Habitats, 2010, , 149-161.	0.3	15
38	Parasitoids use chemical footprints to track down caterpillars. Communicative and Integrative Biology, 2009, 2, 353-355.	1.4	10
39	Insects had it first: surfactants as a defence against predators. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 633-638.	2.6	43
40	Caterpillar Footprints as Host Location Kairomones for Cotesia marginiventris: Persistence and Chemical Nature. Journal of Chemical Ecology, 2009, 35, 20-27.	1.8	40
41	Ontogenetic and spatio-temporal patterns of induced volatiles in Glycine max in the light of the optimal defence hypothesis. Chemoecology, 2008, 18, 29-38.	1.1	80
42	Plant surface wax affects parasitoid's response to host footprints. Die Naturwissenschaften, 2008, 95, 997-1002.	1.6	42
43	Honeybee buzz attenuates plant damage by caterpillars. Current Biology, 2008, 18, R1125-R1126.	3.9	26
44	Induction of systemic acquired resistance in Zea mays also enhances the plant's attractiveness to parasitoids. Biological Control, 2008, 46, 178-186.	3.0	50
45	Ambient ultraviolet radiation induces protective responses in soybean but does not attenuate indirect defense. Environmental Pollution, 2008, 155, 290-297.	7.5	51
46	<i>Pseudomonas syringae</i> Elicits Emission of the Terpenoid (E,E)-4,8,12-Trimethyl-1,3,7,11-Tridecatetraene in <i>Arabidopsis</i> Leaves Via Jasmonate Signaling and Expression of the Terpene Synthase TPS4. Molecular Plant-Microbe Interactions, 2008, 21, 1482-1497.	2.6	45
47	The effects of 2,4-dihydroxy-7-methoxy-1,4-benzoxazin-3-one on two species of Spodoptera and the growth of Setosphaeria turcica in vitro. Journal of Pest Science, 2007, 80, 35-41.	3.7	37
48	Fungal Infection Reduces Herbivore-Induced Plant Volatiles of Maize but does not Affect Na <sup>+</sup> ve Parasitoids. Journal of Chemical Ecology, 2006, 32, 1897-1909.	1.8	89
49	Indirect interactions between a phytopathogenic and an entomopathogenic fungus. Die Naturwissenschaften, 2003, 90, 63-67.	1.6	22
50	Ecological cross-effects of induced plant responses towards herbivores and phytopathogenic fungi. Basic and Applied Ecology, 2003, 4, 43-62.	2.7	94
51	Effects of mass releases of Trichogramma brassicae on predatory insects in maize. Entomologia Experimentalis Et Applicata, 2003, 108, 115-124.	1.4	17
52	Feeding damage by larvae of the mustard leaf beetle deters conspecific females from oviposition and feeding. Entomologia Experimentalis Et Applicata, 2002, 103, 267-277.	1.4	20
53	Asymmetric plant-mediated cross-effects between a herbivorous insect and a phytopathogenic fungus. Agricultural and Forest Entomology, 2002, 4, 223-231.	1.3	36
54	Comparative physiological responses in Chinese cabbage induced by herbivory and fungal infection. Journal of Chemical Ecology, 2002, 28, 2449-2463.	1.8	53

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55	Infochemicals influencing the host foraging behaviour of <i>Dahlbominus fuscipennis</i> , a pupal parasitoid of the European spruce sawfly ( <i>Gilpinia hercyniae</i> ). <i>Entomologia Experimentalis Et Applicata</i> , 1998, 86, 221-227.	1.4	5
56	The effect of insecticide application by dropleg sprayers on pollen beetle parasitism in oilseed rape. <i>BioControl</i> , 0, , 1.	2.0	2
57	Histidine Kinase Two-Component Response Regulators Ssk1, Skn7 and Rim15 Differentially Control Growth, Developmental and Volatile Organic Compounds Emissions as Stress Responses in <i>Trichoderma Atroviride</i> . <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
58	Thermal requirements for egg development of two endemic <i>Wiseana</i> pest species (Lepidoptera): Tj ETQq0 0,0,rgBT /Oyerlock 10	1.8	0