JÃ¼rgen Gross

List of Publications by Year
in descending order

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54	1,290	331670	395702
papers	citations	21	33
		h-index	g-index

55	55	55	1238
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interactions between phloem-restricted bacterial plant pathogens, their vector insects, host plants, and natural enemies, mediated by primary and secondary plant metabolites. Entomologia Generalis, 2022, 42, 185-215.	3.1	10
2	Encapsulation of the psyllidâ€pathogenic fungus Pandora sp. nov. inedit. and experimental infection of target insects¹. Pest Management Science, 2022, 78, 991-999.	3.4	6
3	The phytopathogen â€˜Candidatus Phytoplasma maliâ€™ alters apple tree phloem composition and affects oviposition behavior of its vector Cacopsylla picta. Chemoecology, 2021, 31, 31-45.	1.1	16
4	Smart nanotextiles for application in sustainable agriculture. , 2021, , 203-227.		2
5	Biosynthesis of the Sex Pheromone Component (E,Z)-7,9-Dodecadienyl Acetate in the European Grapevine Moth, Lobesia botrana, Involving â†11 Desaturation and an Elusive â†7 Desaturase. Journal of Chemical Ecology, 2021, 47, 248-264.	1.8	8
6	Specialized 16SrX phytoplasmas induce diverse morphological and physiological changes in their respective fruit crops. PLoS Pathogens, 2021, 17, e1009459.	4.7	12
7	Influence of ontogenetic and migration stage on feeding behavior of Cacopsylla picta on â€˜Candidatus Phytoplasma maliâ€™ infected and non-infected apple plants. Journal of Insect Physiology, 2021, 131, 104229.	2.0	2
8	In memoriam of an exceptional entomologist. Journal of Applied Entomology, 2021, 145, 737-739.	1.8	1
9	Pathogenicity against hemipteran vector insects of a novel insect pathogenic fungus from Entomophthorales (Pandora sp. nov. inedit.) with potential for biological control. Journal of Invertebrate Pathology, 2021, 183, 107621.	3.2	8
10	Climate change risk to pheromone application in pest management. Die Naturwissenschaften, 2021, 108, 47.	1.6	7
11	Host plant preferences and detection of host plant volatiles of the migrating psyllid species Cacopsylla pruni, the vector of European Stone Fruit Yellows. Journal of Pest Science, 2020, 93, 461-475.	3.7	17
12	Phloem Metabolites of Prunus Sp. Rather than Infection with Candidatus Phytoplasma Prunorum Influence Feeding Behavior of Cacopsylla pruni Nymphs. Journal of Chemical Ecology, 2020, 46, 756-770.	1.8	11
13	Tracking Short-Range Attraction and Oviposition of European Grapevine Moths Affected by Volatile Organic Compounds in a Four-Chamber Olfactometer. Insects, 2020, 11, 45.	2.2	7
14	Volatiles of several grapevine cultivars emitted at different phenological stages linked to discriminatory ability of grapevine moths. Journal of Plant Diseases and Protection, 2019, 126, 115-127.	2.9	5
15	Psyllid Vectors. , 2019, , 53-78.		22
16	Collection, Identification, and Statistical Analysis of Volatile Organic Compound Patterns Emitted by Phytoplasma Infected Plants. Methods in Molecular Biology, 2019, 1875, 333-343.	0.9	7
17	The chemistry of multitrophic interactions in phytoplasma disease systems and advances in control of psyllid vectors with semiochemicals. Phytopathogenic Mollicutes, 2019, 9, 157.	0.1	8
18	Flower traits change in response to infection with â€˜Candidatus Phytoplasma maliâ€™ in Nicotiana tabacum as model system. Phytopathogenic Mollicutes, 2019, 9, 129.	0.1	0

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19	Physical factors influencing the oviposition behaviour of European grapevine moths Lobesia botrana and Eupoecilia ambiguella. Journal of Applied Entomology, 2018, 142, 201-210.	1.8	20
20	Unraveling the Host Plant Alternation of Cacopsylla pruni â€“ Adults but Not Nymphs Can Survive on Conifers Due to Phloem/Xylem Composition. Frontiers in Plant Science, 2018, 9, 484.	3.6	29
21	Waxy bloom on grape berry surface is one important factor for oviposition of European grapevine moths. Journal of Pest Science, 2018, 91, 1225-1239.	3.7	23
22	The potential of medicinal and aromatic plants (MAPs) to reduce crop damages by Asian Elephants () Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.1	26
23	Apple Proliferation Phytoplasma Influences the Pattern of Plant Volatiles Emitted Depending on Pathogen Virulence. Frontiers in Ecology and Evolution, 2016, 3, .	2.2	27
24	Chemical Communication between Phytopathogens, Their Host Plants and Vector Insects and Eavesdropping by Natural Enemies. Frontiers in Ecology and Evolution, 2016, 4, .	2.2	13
25	Principles of IPM in Cultivated Crops and Implementation of Innovative Strategies for Sustainable Plant Protection. , 2016, , 9-26.		14
26	An invader supported by a parasite: Mistletoe berries as a host for food and reproduction of Spotted Wing Drosophila in early spring. Journal of Pest Science, 2016, 89, 749-759.	3.7	50
27	Cultivating alternative crops reduces crop losses due to African elephants. Journal of Pest Science, 2016, 89, 497-506.	3.7	35
28	Unifying bacteria from decaying wood with various ubiquitous Gibbsiella species as G. acetica sp. nov. based on nucleotide sequence similarities and their acetic acid secretion. Microbiological Research, 2015, 181, 93-104.	5.3	11
29	First evidence of acoustic communication in the pear psyllid Cacopsylla pyri L. (Hemiptera: Psyllidae). Journal of Pest Science, 2015, 88, 87-95.	3.7	27
30	Capturing Insect Vectors of Phytoplasmas. Methods in Molecular Biology, 2013, 938, 61-72.	0.9	19
31	Drugs for Bugs: The Potential of Infochemicals Mediating Insectâ€“Plantâ€“Microbe Interactions for Plant Protection and Medicine. , 2013, , 79-93.		6
32	Innovative control of psyllid vectors of European fruit tree phytoplasmas. Phytopathogenic Mollicutes, 2013, 3, 37.	0.1	14
33	Influence of Diet on Fecundity, Immune Defense and Content of 2-Isopropyl-3-Methoxypyrazine in Harmonia axyridis Pallas. Journal of Chemical Ecology, 2012, 38, 854-864.	1.8	13
34	Diversity and frequencies of methoxypyrazines in hemolymph of Harmonia axyridis and Coccinella septempunctata and their influence on the taste of wine. European Food Research and Technology, 2012, 234, 399-404.	3.3	13
35	Chemically mediated multitrophic interactions in a plant-insect vector-phytoplasma system compared with a partially nonvector species. Agricultural and Forest Entomology, 2011, 13, 25-35.	1.3	54
36	A Well Protected Intruder: The Effective Antimicrobial Defense of the Invasive Ladybird Harmonia axyridis. Journal of Chemical Ecology, 2010, 36, 1180-1188.	1.8	17

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37	Cacopsylla melanoneuraHas No Relevance as Vector of Apple Proliferation in Germany. Phytopathology, 2009, 99, 729-738.	2.2	48
38	Protected by Fumigants: Beetle Perfumes in Antimicrobial Defense. Journal of Chemical Ecology, 2008, 34, 179-188.	1.8	48
39	Phytopathogen Lures Its Insect Vector by Altering Host Plant Odor. Journal of Chemical Ecology, 2008, 34, 1045-1049.	1.8	118
40	Pathogen-induced Release of Plant Allomone Manipulates Vector Insect Behavior. Journal of Chemical Ecology, 2008, 34, 1518-1522.	1.8	118
41	News from the Editor-in-Chief. Journal of Pest Science, 2008, 81, 1-2.	3.7	2
42	Woundingâ€mediated gene expression and accelerated viviparous reproduction of the pea aphid Acyrthosiphon pisum. Insect Molecular Biology, 2008, 17, 711-716.	2.0	88
43	The role of competitors for Chrysomela lapponica, a north Eurasian willow pest, in pioneering a new host plant. Journal of Pest Science, 2007, 80, 139-143.	3.7	5
44	New challenges in pest science. Journal of Pest Science, 2006, 79, 1-2.	3.7	4
45	Reproductive isolation between populations from Northern and Central Europe of the leaf beetle Chrysomela lapponica L.. Chemoecology, 2006, 16, 241-251.	1.1	11
46	TMAO and other organic osmolytes in the muscles of amphipods (Crustacea) from shallow and deep water of Lake Baikal. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2005, 142, 58-64.	1.8	31
47	Drugs from bugs: the use of insects as a valuable source of transgenes with potential in modern plant protection strategies. Journal of Pest Science, 2005, 78, 187-191.	3.7	24
48	The importance of specialist natural enemies for Chrysomela lapponica in pioneering a new host plant. Ecological Entomology, 2004, 29, 584-593.	2.2	29
49	The significance of bottom-up effects for host plant specialization inChrysomelaleaf beetles. Oikos, 2004, 105, 368-376.	2.7	27
50	Thermal Adaptations of the Leaf BeetleChrysomela lapponica(Coleoptera: Chrysomelidae) to Different Climes of Central and Northern Europe. Environmental Entomology, 2004, 33, 799-806.	1.4	23
51	Antimicrobial activity of exocrine glandular secretion of Chrysomela larvae. Journal of Chemical Ecology, 2002, 28, 317-331.	1.8	43
52	Antimicrobial Activity of Exocrine Glandular Secretions, Hemolymph, and Larval Regurgitate of the Mustard Leaf BeetlePhaedon cochleariae. Journal of Invertebrate Pathology, 1998, 72, 296-303.	3.2	39
53	Origin of the defensive secretion of the leaf beetle Chrysomela lapponica. Tetrahedron, 1997, 53, 9203-9212.	1.9	44
54	Chemoecological studies of the exocrine glandular larval secretions of two chrysomelid species (Coleoptera):Phaedon cochleariae andChrysomela lapponica. Chemoecology, 1994, 5-6, 185-189.	1.1	28