FranÃ§ois J Verheggen

List of Publications by Year
in descending order

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126	3,673	117625	175258
papers	citations	34 h-index	52 g-index

127	127	127	3334
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Integrated pest management of Tuta absoluta: practical implementations across different worldÂregions. Journal of Pest Science, 2022, 95, 17-39.	3.7	95
2	Comparison of lifeâ€history traits and oviposition preferences of Tuta absoluta for 12 common tomato varieties in Burkina Faso. Physiological Entomology, 2022, 47, 55-61.	1.5	6
3	What is an emergency? Neonicotinoids and emergency situations in plant protection in the EU. Ambio, 2022, 51, 1764-1771.	5.5	8
4	Nesidiocoris tenuis in Burkina Faso: Distribution, predatory capacity and insecticide sensibility. Physiological Entomology, 2022, 47, 201-208.	1.5	0
5	Becoming noseâ€blindâ€”Climate change impacts on chemical communication. Global Change Biology, 2022, 28, 4495-4505.	9.5	10
6	Annual dynamics of fall armyworm populations in West Africa and biology in different host plants. Scientific African, 2022, 16, e01227.	1.5	0
7	Towards more intimacy: moderate elevation of temperature drives increases in foraging and mutualistic interactions between Lasius niger and Aphis fabae. Ecological Entomology, 2021, 46, 406-418.	2.2	5
8	Insect pest monitoring with camera-equipped traps: strengths and limitations. Journal of Pest Science, 2021, 94, 203-217.	3.7	92
9	Forensic taphonomy: Characterization of the gravesoil chemistry using a multivariate approach combining chemical and volatile analyses. Forensic Science International, 2021, 318, 110569.	2.2	6
10	Differential thermal tolerance across life stages under extreme high temperatures crossed with feeding status in corn leaf aphid. Ecological Entomology, 2021, 46, 533-540.	2.2	4
11	Behavioural and antennal responses of Aedes aegypti (l.) (Diptera: Culicidae) gravid females to chemical cues from conspecific larvae. PLoS ONE, 2021, 16, e0247657.	2.5	11
12	EU Court to rule on banned pesticide use. Science, 2021, 373, 290-290.	12.6	7
13	The lure of hidden death: development of an attract-and-kill strategy against Agriotes obscurus (Coleoptera: Elateridae) combining semiochemicals and entomopathogenic nematodes. Turkish Journal of Zoology, 2021, 45, 347-355.	0.9	6
14	Conservation value of tropical forests: Distance to human settlements matters more than management in Central Africa. Biological Conservation, 2020, 241, 108351.	4.1	38
15	Linking variety-dependent root volatile organic compounds in maize with differential infestation by wireworms. Journal of Pest Science, 2020, 93, 605-614.	3.7	8
16	Does the Infectious Status of Aphids Influence Their Preference Towards Healthy, Virus-Infected and Endophytically Colonized Plants?. Insects, 2020, 11, 435.	2.2	11
17	Cadaver Dogs and the Deathly Hallowsâ€”A Survey and Literature Review on Selection and Training Procedure. Animals, 2020, 10, 1219.	2.3	11
18	Insecticide susceptibility level and control failure likelihood estimation of Subâ€Saharan African populations of tomato leafminer: Evidence from Burkina Faso. Physiological Entomology, 2020, 45, 147-153.	1.5	6

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19	Aphid Behavior on Amaranthus hybridus L. (Amaranthaceae) Associated with Ocimum spp. (Lamiaceae) as Repellent Plants. Agronomy, 2020, 10, 736.	3.0	2
20	The Production of Sex Pheromone in Lady Beetles Is Conditioned by Presence of Aphids and Not by Mating Status. Journal of Chemical Ecology, 2020, 46, 590-596.	1.8	7
21	Biocidal activity of polylactic acid-based nano-formulated abamectin on Acyrthosiphon pisum (Hemiptera: Aphididae) and the aphid predator Adalia bipunctata (Coleoptera: Coccinellidae). PLoS ONE, 2020, 15, e0228817.	2.5	13
22	Behavioral and Electrophysiological Responses of the Fringed Larder Beetle Dermestes frischii to the Smell of a Cadaver at Different Decomposition Stages. Insects, 2020, 11, 238.	2.2	7
23	Distribution et dÃ©gÃ¢ts associÃ©s au thrips de lâ€™oignon, <i>Thrips tabaci</i> L. (Thysanoptera :) Tj ETQq1 1 0.78431 and Chemical Sciences, 2020, 14, 2037-2048.	0.2	1
24	Effects of Host Plants Reared under Elevated CO2 Concentrations on the Foraging Behavior of Different Stages of Corn Leaf Aphids Rhopalosiphum maidis. Insects, 2019, 10, 182.	2.2	11
25	Comparison of the Sex Pheromone Composition of Harmonia axyridis Originating from Native and Invaded Areas. Insects, 2019, 10, 326.	2.2	4
26	Silicon and Plant Natural Defenses against Insect Pests: Impact on Plant Volatile Organic Compounds and Cascade Effects on Multitrophic Interactions. Plants, 2019, 8, 444.	3.5	40
27	Differential wing polyphenism adaptation across life stages under extreme high temperatures in corn leaf aphid. Scientific Reports, 2019, 9, 8744.	3.3	8
28	Alternatives to neonicotinoids. Environment International, 2019, 129, 423-429.	10.0	103
29	The taste of origin in a lady beetle: do males discriminate between females based on cuticular hydrocarbons?. Physiological Entomology, 2019, 44, 160-168.	1.5	1
30	Cuticular hydrocarbon composition does not allow Harmonia axyridis males to identify the mating status of sexual partners. Entomologia Generalis, 2019, 38, 211-224.	3.1	8
31	Biological alternatives to pesticides to control wireworms (Coleoptera: Elateridae). Agri Gene, 2019, 11, 100080.	1.9	7
32	Today and tomorrow: impact of climate change on aphid biology and potential consequences on their mutualism with ants. Physiological Entomology, 2019, 44, 77-86.	1.5	22
33	Impact of necrophagous insects on the emission of volatile organic compounds released during the decaying process. Entomologia Generalis, 2019, 39, 19-31.	3.1	7
34	First record of Tuta absoluta in Haiti. Entomologia Generalis, 2019, 38, 349-353.	3.1	40
35	Fourteen years of anthropization dynamics in the Uapaca bojeri Baill. forest of Madagascar. Landscape and Ecological Engineering, 2018, 14, 135-146.	1.5	6
36	Identification of the Alarm Pheromone of Cowpea Aphid, and Comparison With Two Other Aphididae Species. Journal of Insect Science, 2018, 18, .	1.5	5

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37	Oviposition deterrent activity of basil plants and their essentials oils against Tuta absoluta (Lepidoptera: Gelechiidae). Environmental Science and Pollution Research, 2018, 25, 29880-29888.	5.3	24
38	Aphidâ€“hoverfly interactions under elevated CO₂ concentrations: oviposition and larval development. Physiological Entomology, 2018, 43, 245-250.	1.5	6
39	Behavioural response of Lucilia sericata to a decaying body infested by necrophagous insects. Physiological Entomology, 2018, 43, 188-195.	1.5	12
40	Premier signalement de Deudorix livia (Lepidoptera: Lycanidae) en AlgÃ©rie: Un ravageur important du grenadier et du palmier dattier. EPPO Bulletin, 2018, 48, 281-286.	0.8	3
41	Improving the Monitoring of the Walnut Husk Fly (Diptera: Tephritidae) Using Male-Produced Lactones. Journal of Economic Entomology, 2018, 111, 2032-2037.	1.8	5
42	Odour profile of human corpses: A review. Forensic Chemistry, 2018, 10, 27-36.	2.8	12
43	Elevated CO2 Concentrations Impact the Semiochemistry of Aphid Honeydew without Having a Cascade Effect on an Aphid Predator. Insects, 2018, 9, 47.	2.2	8
44	Dispersion of <scp>M</scp>yzus persicae and transmission of Potato virus Y under elevated <scp>CO</scp>₂ atmosphere. Entomologia Experimentalis Et Applicata, 2018, 166, 380-385.	1.4	11
45	Foraging wireworms are attracted to root-produced volatile aldehydes. Journal of Pest Science, 2017, 90, 69-76.	3.7	26
46	Bacteria may contribute to distant species recognition in antâ€“aphid mutualistic relationships. Insect Science, 2017, 24, 278-284.	3.0	17
47	Structure and distribution of the sensilla on the antennae of Tuta absoluta (Lepidoptera: Gelechiidae). Micron, 2017, 96, 16-28.	2.2	29
48	Tuned protection of aphids by ants against a predatory hoverfly. Ecological Entomology, 2017, 42, 235-244.	2.2	6
49	Identification of walnut husk (Juglans regia L.) volatiles and the behavioural response of the invasive Walnut Husk Fly, Rhagoletis completa Cresson. Pest Management Science, 2017, 73, 2100-2104.	3.4	13
50	First Characterisation of Volatile Organic Compounds Emitted by Banana Plants. Scientific Reports, 2017, 7, 46400.	3.3	8
51	Elevated Carbon Dioxide Concentration Reduces Alarm Signaling in Aphids. Journal of Chemical Ecology, 2017, 43, 164-171.	1.8	17
52	The Odor of Death: An Overview of Current Knowledge on Characterization and Applications. BioScience, 2017, 67, 600-613.	4.9	53
53	First Record of Tuta absoluta (Meyrick, 1917) (Lepidoptera: Gelechiidae) in Burkina Faso. African Entomology, 2017, 25, 259.	0.6	21
54	Walnut husk fly, Rhagoletis completa (Diptera: Tephritidae), invades Europe: invasion potential and control strategies. Applied Entomology and Zoology, 2017, 52, 1-7.	1.2	19

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55	Betraying its presence: identification of the chemical signal released by Tuta absoluta-infested tomato plants that guide generalist predators toward their prey. Arthropod-Plant Interactions, 2017, 11, 111-120.	1.1	19
56	Behavioral and Immunological Features Promoting the Invasive Performance of the Harlequin Ladybird Harmonia axyridis. Frontiers in Ecology and Evolution, 2017, 5, .	2.2	24
57	Ability of Tuta absoluta (Lepidoptera: Gelechiidae) to develop on alternative host plant species. Canadian Entomologist, 2016, 148, 434-442.	0.8	38
58	Will climate change affect insect pheromonal communication?. Current Opinion in Insect Science, 2016, 17, 87-91.	4.4	49
59	The scent of love: how important are semiochemicals in the sexual behavior of lady beetles?. Journal of Pest Science, 2016, 89, 347-358.	3.7	18
60	Do aphids actively search for ant partners?. Insect Science, 2015, 22, 283-288.	3.0	3
61	Predation of the Peach Aphid Myzus persicae by the mirid Predator Macrolophus pygmaeus on Sweet Peppers: Effect of Prey and Predator Density. Insects, 2015, 6, 514-523.	2.2	12
62	Climate Change and Tritrophic Interactions: Will Modifications to Greenhouse Gas Emissions Increase the Vulnerability of Herbivorous Insects to Natural Enemies?. Environmental Entomology, 2015, 44, 277-286.	1.4	43
63	Semiochemicals of Rhagoletis fruit flies: Potential for integrated pest management. Crop Protection, 2015, 78, 114-118.	2.1	41
64	Bacteria may enhance species association in an antâ€“aphid mutualistic relationship. Chemoecology, 2015, 25, 223-232.	1.1	33
65	Orientation behaviour of Culicoides obsoletus (Diptera: Ceratopogonidae), a relevant virus vector in northern Europe, toward host-associated odorant cues. Veterinary Parasitology, 2015, 211, 274-282.	1.8	6
66	Could alternative solanaceous hosts act as refuges for the tomato leafminer, Tuta absoluta?. Arthropod-Plant Interactions, 2015, 9, 425-435.	1.1	30
67	Tuta absoluta-induced plant volatiles: attractiveness towards the generalist predator Macrolophus pygmaeus. Arthropod-Plant Interactions, 2015, 9, 465-476.	1.1	53
68	Aggregation behavior of Harmonia axyridis under nonâ€wintering conditions. Insect Science, 2015, 22, 670-678.	3.0	14
69	First Evidence of a Volatile Sex Pheromone in Lady Beetles. PLoS ONE, 2014, 9, e115011.	2.5	26
70	Infestation Level Influences Oviposition Site Selection in the Tomato Leafminer Tuta absoluta (Lepidoptera: Gelechiidae). Insects, 2014, 5, 877-884.	2.2	28
71	Aphid honeydew: An arrestant and a contact kairomone for Episyrphus balteatus (Diptera: Syrphidae) larvae and adults. European Journal of Entomology, 2014, 111, 237-242.	1.2	20
72	Depth and type of substrate influence the ability ofNasonia vitripennis to locate a host. Journal of Insect Science, 2014, 14, 58.	1.5	3

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73	Insects Associated With Jatropha curcas Linn. (Euphorbiaceae) in West Niger. Journal of Insect Science, 2014, 14, .	1.5	11
74	Is conspecific substrate marking a longâ€term external memory of previously colonized overwintering sites in <scp>H</scp>armonia axyridis?. Journal of Applied Entomology, 2014, 138, 338-345.	1.8	2
75	Is Contact Between Conspecifics Involved in the Cohesion of Harmonia axyridis (Pallas) (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Ove	0.7	3
76	Hostâ€habitat Location by the Parasitoid, Nasonia vitripennis Walker (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T	1.6	18
77	Associative Learning of Nasonia vitripennis Walker (Hymenoptera:Pteromalidae) to Methyldisulfanylmethane. Journal of Forensic Sciences, 2014, 59, 413-416.	1.6	6
78	Depth and Type of Substrate Influence the Ability ofNasonia vitripennisto Locate a Host. Journal of Insect Science, 2014, 14, 1-12.	1.5	3
79	Role of larval host plant experience and solanaceous plant volatile emissions in Tuta absoluta (Lepidoptera: Gelechiidae) host finding behavior. Arthropod-Plant Interactions, 2014, 8, 293.	1.1	18
80	Characterization of Volatile Organic Compounds Emitted by Barley (Hordeum vulgare L.) Roots and Their Attractiveness to Wireworms. Journal of Chemical Ecology, 2013, 39, 1129-1139.	1.8	47
81	Electrophysiological and Behavioral Responses of Thanatophilus sinuatus Fabricius (Coleoptera: Silphidae) to Selected Cadaveric Volatile Organic Compounds. Journal of Forensic Sciences, 2013, 58, 917-923.	1.6	32
82	Aphid responses to volatile cues from turnip plants (Brassica rapa) infested with phloem-feeding and chewing herbivores. Arthropod-Plant Interactions, 2013, 7, 567-577.	1.1	24
83	Propensity of the Tomato Leafminer, Tuta absoluta (Lepidoptera: Gelechiidae), to Develop on Four Potato Plant Varieties. American Journal of Potato Research, 2013, 90, 255-260.	0.9	52
84	Diversity of Forensic Rove Beetles (Coleoptera, Staphylinidae) Associated with Decaying Pig Carcass in a Forest Biotope. Journal of Forensic Sciences, 2013, 58, 1032-1040.	1.6	27
85	The Community of Hymenoptera Parasitizing Necrophagous Diptera in an Urban Biotope. Journal of Insect Science, 2013, 13, 1-14.	0.9	19
86	Forensic Entomology Investigations From Doctor Marcel Leclercq (1924â€“2008): A Review of Cases From 1969 to 2005. Journal of Medical Entomology, 2013, 50, 935-954.	1.8	40
87	Consumption of Immature Stages of Colorado Potato Beetle by Chrysoperla Carnea (Neuroptera:) Tj ETQq1 1 0.784314 rgBT /Overlo	0.9	9
88	Wirewormsâ€™ Management: An Overview of the Existing Methods, with Particular Regards to Agriotes spp. (Coleoptera: Elateridae). Insects, 2013, 4, 117-152.	2.2	72
89	Chemical Ecology of the Colorado Potato Beetle, Leptinotarsa decemlineata (Say) (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.2	28
90	Is the Multicolored Asian Ladybeetle,Harmonia axyridis,the Most Abundant Natural Enemy to Aphids in Agroecosystems?. Journal of Insect Science, 2013, 13, 1-14.	0.9	16

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91	Substrate Marking by an Invasive Ladybeetle: Seasonal Changes in Hydrocarbon Composition and Behavioral Responses. PLoS ONE, 2013, 8, e61124.	2.5	7
92	Occurrence of Harmonia axyridis (Coleoptera: Coccinellidae) in field crops. European Journal of Entomology, 2013, 110, 285-292.	1.2	15
93	Aphid alarm pheromone: An overview of current knowledge on biosynthesis and functions. Insect Biochemistry and Molecular Biology, 2012, 42, 155-163.	2.7	112
94	Aphid Alarm Pheromone as a Cue for Ants to Locate Aphid Partners. PLoS ONE, 2012, 7, e41841.	2.5	27
95	Optimisation of a semiochemical slowâ€release alginate formulation attractive towards Aphidius ervi Haliday parasitoids. Pest Management Science, 2012, 68, 127-136.	3.4	40
96	Testing semiochemicals from aphid, plant and conspecific: attraction of Harmonia axyridis. Insect Science, 2012, 19, 372-382.	3.0	29
97	Honeydew volatile emission acts as a kairomonal message for the Asian lady beetle Harmonia axyridis (Coleoptera: Coccinellidae). Insect Science, 2012, 19, 498-506.	3.0	38
98	Responses of Lucilia sericata Meigen (Diptera: Calliphoridae) to Cadaveric Volatile Organic Compounds*. Journal of Forensic Sciences, 2012, 57, 386-390.	1.6	58
99	Role of long-chain hydrocarbons in the aggregation behaviour of Harmonia axyridis (Pallas) (Coleoptera: Coccinellidae). Journal of Insect Physiology, 2012, 58, 801-807.	2.0	29
100	Carrion Beetles Visiting Pig Carcasses during Early Spring in Urban, Forest and Agricultural Biotopes of Western Europe. Journal of Insect Science, 2011, 11, 1-13.	1.5	48
101	Microorganisms from aphid honeydew attract and enhance the efficacy of natural enemies. Nature Communications, 2011, 2, 348.	12.8	152
102	Earthworms Use Odor Cues to Locate and Feed on Microorganisms in Soil. PLoS ONE, 2011, 6, e21927.	2.5	28
103	The chemical ecology of Harmonia axyridis. BioControl, 2011, 56, 643-661.	2.0	54
104	Age-dependent attractivity of malesâ€™ sexual pheromones in Bombus terrestris (L.) [Hymenoptera, Apidae]. Chemoecology, 2011, 21, 75-82.	1.1	19
105	The semiochemically mediated interactions between bacteria and insects. Chemoecology, 2011, 21, 113-122.	1.1	59
106	Aphid-host plant interactions: does aphid honeydew exactly reflect the host plant amino acid composition?. Arthropod-Plant Interactions, 2011, 5, 193-199.	1.1	51
107	Assessment of oviposition site quality by aphidophagous hoverflies: reaction to conspecific larvae. Animal Behaviour, 2010, 79, 589-594.	1.9	21
108	An introduction device for the aphidophagous hoverfly Episyrphus balteatus (De Geer) (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	3.0	26

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109	Validation of a fast gas chromatographic method for the study of semiochemical slow release formulations. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 962-972.	2.8	15
110	Alarm Pheromonesâ€"Chemical Signaling in Response to Danger. Vitamins and Hormones, 2010, 83, 215-239.	1.7	58
111	Aphid-ant mutualism: how honeydew sugars influence the behaviour of ant scouts. Physiological Entomology, 2010, 35, 168-174.	1.5	62
112	Intraguild interactions between the predatory hoverfly Episyrphus balteatus (Diptera: Syrphidae) and the Asian ladybird, Harmonia axyridis (Coleoptera: Coccinellidae): Effect of larval tracks. European Journal of Entomology, 2010, 107, 41-45.	1.2	18
113	Social enviroment influences aphid production of alarm pheromone. Behavioral Ecology, 2009, 20, 283-288.	2.2	46
114	Comparison of Age-dependent Quantitative Changes in the Male Labial Gland Secretion of Bombus Terrestris and Bombus Lucorum. Journal of Chemical Ecology, 2009, 35, 698-705.	1.8	35
115	Tomato-aphid-hoverfly: a tritrophic interaction incompatible for pest management. Arthropod-Plant Interactions, 2009, 3, 141-149.	1.1	29
116	Fast gas chromatography characterisation of purified semiochemicals from essential oils of Matricaria chamomilla L. (Asteraceae) and Nepeta cataria L. (Lamiaceae). Journal of Chromatography A, 2009, 1216, 2768-2775.	3.7	71
117	Does Imidacloprid Seed-Treated Maize Have an Impact on Honey Bee Mortality?. Journal of Economic Entomology, 2009, 102, 616-623.	1.8	101
118	Aphid and Plant Volatiles Induce Oviposition in an Aphidophagous Hoverfly. Journal of Chemical Ecology, 2008, 34, 301-307.	1.8	125
119	Emission of Alarm Pheromone in Aphids: a Non-Contagious Phenomenon. Journal of Chemical Ecology, 2008, 34, 1146-1148.	1.8	23
120	Discrimination of parasitized aphids by a hoverfly predator: effects on larval performance, foraging, and oviposition behavior. Entomologia Experimentalis Et Applicata, 2008, 128, 73-80.	1.4	26
121	Emission of alarm pheromone by nonâ€preyed aphid colonies. Journal of Applied Entomology, 2008, 132, 601-604.	1.8	24
122	Predatory hoverflies select their oviposition site according to aphid host plant and aphid species. Entomologia Experimentalis Et Applicata, 2007, 125, 13-21.	1.4	48
123	Role of terpenes from aphid-infested potato on searching and oviposition behavior of Episyrphus balteatus. Insect Science, 2007, 14, 57.	3.0	62
124	Electrophysiological and Behavioral Activity of Secondary Metabolites in the Confused Flour Beetle, Tribolium confusum. Journal of Chemical Ecology, 2007, 33, 525-539.	1.8	60
125	Electrophysiological and Behavioral Responses of the Multicolored Asian Lady Beetle, Harmonia axyridis Pallas, to Sesquiterpene Semiochemicals. Journal of Chemical Ecology, 2007, 33, 2148-2155.	1.8	110
126	Is the (E)â€Î²â€farnesene only volatile terpenoid in aphids?. Journal of Applied Entomology, 2005, 129, 6-11.	1.8	134