## Franãsois J Verheggen

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5195498/publications.pdf

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126 papers 3,673 citations

34 h-index 52 g-index

127 all docs

127 docs citations

times ranked

127

3334 citing authors

#	Article	IF	CITATIONS
1	Microorganisms from aphid honeydew attract and enhance the efficacy of natural enemies. Nature Communications, 2011, 2, 348.	12.8	152
2	Is the (E)â€ <i>β</i> â€farnesene only volatile terpenoid in aphids?. Journal of Applied Entomology, 2005, 129, 6-11.	1.8	134
3	Aphid and Plant Volatiles Induce Oviposition in an Aphidophagous Hoverfly. Journal of Chemical Ecology, 2008, 34, 301-307.	1.8	125
4	Aphid alarm pheromone: An overview of current knowledge on biosynthesis and functions. Insect Biochemistry and Molecular Biology, 2012, 42, 155-163.	2.7	112
5	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
6	Alternatives to neonicotinoids. Environment International, 2019, 129, 423-429.	10.0	103
7	Does Imidacloprid Seed-Treated Maize Have an Impact on Honey Bee Mortality?. Journal of Economic Entomology, 2009, 102, 616-623.	1.8	101
8	Integrated pest management of Tuta absoluta: practical implementations across different worldÂregions. Journal of Pest Science, 2022, 95, 17-39.	3.7	95
9	Insect pest monitoring with camera-equipped traps: strengths and limitations. Journal of Pest Science, 2021, 94, 203-217.	3.7	92
10	Wireworms' Management: An Overview of the Existing Methods, with Particular Regards to Agriotes spp. (Coleoptera: Elateridae). Insects, 2013, 4, 117-152.	2.2	72
11	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
12	Role of terpenes from aphid-infested potato on searching and oviposition behavior of Episyrphus balteatus. Insect Science, 2007, 14, 57.	3.0	62
13	Aphid-ant mutualism: how honeydew sugars influence the behaviour of ant scouts. Physiological Entomology, 2010, 35, 168-174.	1.5	62
14	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
15	The semiochemically mediated interactions between bacteria and insects. Chemoecology, 2011, 21, 113-122.	1.1	59
16	Alarm Pheromonesâ€"Chemical Signaling in Response to Danger. Vitamins and Hormones, 2010, 83, 215-239.	1.7	58
17	Responses of <i>Lucilia sericata</i> Meigen (Diptera: Calliphoridae) to Cadaveric Volatile Organic Compounds*. Journal of Forensic Sciences, 2012, 57, 386-390.	1.6	58
18	The chemical ecology of Harmonia axyridis. BioControl, 2011, 56, 643-661.	2.0	54

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19	Tuta absoluta-induced plant volatiles: attractiveness towards the generalist predator Macrolophus pygmaeus. Arthropod-Plant Interactions, 2015, 9, 465-476.	1.1	53
20	The Odor of Death: An Overview of Current Knowledge on Characterization and Applications. BioScience, 2017, 67, 600-613.	4.9	53
21	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
22	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
23	Will climate change affect insect pheromonal communication?. Current Opinion in Insect Science, 2016, 17, 87-91.	4.4	49
24	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
25	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
26	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
27	Social enviroment influences aphid production of alarm pheromone. Behavioral Ecology, 2009, 20, 283-288.	2.2	46
28	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
29	Semiochemicals of Rhagoletis fruit flies: Potential for integrated pest management. Crop Protection, 2015, 78, 114-118.	2.1	41
30	Optimisation of a semiochemical slowâ€release alginate formulation attractive towards <i>Aphidius ervi</i> Haliday parasitoids. Pest Management Science, 2012, 68, 127-136.	3.4	40
31	Forensic Entomology Investigations From Doctor Marcel Leclercq (1924–2008): A Review of Cases From 1969 to 2005. Journal of Medical Entomology, 2013, 50, 935-954.	1.8	40
32	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
33	First record of Tuta absoluta in Haiti. Entomologia Generalis, 2019, 38, 349-353.	3.1	40
34	Honeydew volatile emission acts as a kairomonal message for the Asian lady beetle <i>Harmonia axyridis</i> (Coleoptera: Coccinellidae). Insect Science, 2012, 19, 498-506.	3.0	38
35	Ability of <i>Tuta absoluta </i> (Lepidoptera: Gelechiidae) to develop on alternative host plant species. Canadian Entomologist, 2016, 148, 434-442.	0.8	38
36	Conservation value of tropical forests: Distance to human settlements matters more than management in Central Africa. Biological Conservation, 2020, 241, 108351.	4.1	38

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37	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
38	Bacteria may enhance species association in an ant–aphid mutualistic relationship. Chemoecology, 2015, 25, 223-232.	1.1	33
39	Electrophysiological and Behavioral Responses of <i>Thanatophilus sinuatus</i> Fabricius (Coleoptera: Silphidae) to Selected Cadaveric Volatile Organic Compounds. Journal of Forensic Sciences, 2013, 58, 917-923.	1.6	32
40	Could alternative solanaceous hosts act as refuges for the tomato leafminer, Tuta absoluta?. Arthropod-Plant Interactions, 2015, 9, 425-435.	1.1	30
41	Tomato-aphid-hoverfly: a tritrophic interaction incompatible for pest management. Arthropod-Plant Interactions, 2009, 3, 141-149.	1.1	29
42	Testing semiochemicals from aphid, plant and conspecific: attraction of <i>Harmonia axyridis</i> Insect Science, 2012, 19, 372-382.	3.0	29
43	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
44	Structure and distribution of the sensilla on the antennae of Tuta absoluta (Lepidoptera: Gelechiidae). Micron, 2017, 96, 16-28.	2.2	29
45	Earthworms Use Odor Cues to Locate and Feed on Microorganisms in Soil. PLoS ONE, 2011, 6, e21927.	2.5	28
46	Chemical Ecology of the Colorado Potato Beetle, Leptinotarsa decemlineata (Say) (Coleoptera:) Tj ETQq0 0 0 rg	BT <i>[</i> Overloch 2:2	R 10 Tf 50 3
47	Infestation Level Influences Oviposition Site Selection in the Tomato Leafminer Tuta absoluta (Lepidoptera: Gelechiidae). Insects, 2014, 5, 877-884.	2.2	28
48	Aphid Alarm Pheromone as a Cue for Ants to Locate Aphid Partners. PLoS ONE, 2012, 7, e41841.	2.5	27
49	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
50	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
51	An introduction device for the aphidophagous hoverfly Episyrphus balteatus (De Geer) (Diptera:) Tj ETQq $1\ 1\ 0.7$	84314 rgBT	/Qverlock 1
52	First Evidence of a Volatile Sex Pheromone in Lady Beetles. PLoS ONE, 2014, 9, e115011.	2.5	26
53	Foraging wireworms are attracted to root-produced volatile aldehydes. Journal of Pest Science, 2017, 90, 69-76.	3.7	26
54	Emission of alarm pheromone by nonâ€preyed aphid colonies. Journal of Applied Entomology, 2008, 132, 601-604.	1.8	24

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55	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
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	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
58	Emission of Alarm Pheromone in Aphids: a Non-Contagious Phenomenon. Journal of Chemical Ecology, 2008, 34, 1146-1148.	1.8	23
59	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
60	Assessment of oviposition site quality by aphidophagous hoverflies: reaction to conspecific larvae. Animal Behaviour, 2010, 79, 589-594.	1.9	21
61	First Record of Tuta absoluta (Meyrick, 1917) (Lepidoptera: Gelechiidae) in Burkina Faso. African Entomology, 2017, 25, 259.	0.6	21
62	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
63	Age-dependent attractivity of males' sexual pheromones in Bombus terrestris (L.) [Hymenoptera, Apidae]. Chemoecology, 2011, 21, 75-82.	1.1	19
64	The Community of Hymenoptera Parasitizing Necrophagous Diptera in an Urban Biotope. Journal of Insect Science, 2013, 13, 1-14.	0.9	19
65	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
66	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
67	Hostâ€habitat Location by the Parasitoid, <i>Nasonia vitripennis</i> Walker (Hymenoptera:) Tj ETQq1 1 0.784314	rgBT /Ove	erlock 10 Ti
68	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
69	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
70	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
71	Bacteria may contribute to distant species recognition in ant–aphid mutualistic relationships. Insect Science, 2017, 24, 278-284.	3.0	17
72	Elevated Carbon Dioxide Concentration Reduces Alarm Signaling in Aphids. Journal of Chemical Ecology, 2017, 43, 164-171.	1.8	17

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73	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
74	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
75	Occurrence of Harmonia axyridis (Coleoptera: Coccinellidae) in field crops. European Journal of Entomology, 2013, 110, 285-292.	1.2	15
76	Aggregation behavior of <i>Harmonia axyridis</i> under nonâ€wintering conditions. Insect Science, 2015, 22, 670-678.	3.0	14
77	Identification of walnut husk ( <i>Juglans regia</i> L.) volatiles and the behavioural response of the invasive Walnut Husk Fly, <i>Rhagoletis completa</i> Cresson. Pest Management Science, 2017, 73, 2100-2104.	3.4	13
78	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
79	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
80	Behavioural response of <i>Lucilia sericata</i> to a decaying body infested by necrophagous insects. Physiological Entomology, 2018, 43, 188-195.	1.5	12
81	Odour profile of human corpses: A review. Forensic Chemistry, 2018, 10, 27-36.	2.8	12
82	Insects Associated With Jatropha curcas Linn. (Euphorbiaceae) in West Niger. Journal of Insect Science, 2014, 14, .	1.5	11
83	Dispersion of <i><scp>M</scp>yzus persicae</i> and transmission of <i>Potato virus Y</i> under elevated <scp>CO</scp> <sub>2</sub> atmosphere. Entomologia Experimentalis Et Applicata, 2018, 166, 380-385.	1.4	11
84	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
85	Does the Infectious Status of Aphids Influence Their Preference Towards Healthy, Virus-Infected and Endophytically Colonized Plants?. Insects, 2020, 11, 435.	2.2	11
86	Cadaver Dogs and the Deathly Hallows—A Survey and Literature Review on Selection and Training Procedure. Animals, 2020, 10, 1219.	2.3	11
87	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
88	Becoming noseâ€blind—Climate change impacts on chemical communication. Global Change Biology, 2022, 28, 4495-4505.	9.5	10
89	Consumption of Immature Stages of Colorado Potato Beetle by Chrysoperla Carnea (Neuroptera:) Tj ETQq $1\ 1\ 0$ .	784314 rg 0.9	gBT <sub>g</sub> /Overlock
90	First Characterisation of Volatile Organic Compounds Emitted by Banana Plants. Scientific Reports, 2017, 7, 46400.	3.3	8

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91	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
92	Differential wing polyphenism adaptation across life stages under extreme high temperatures in corn leaf aphid. Scientific Reports, 2019, 9, 8744.	3.3	8
93	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
94	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
95	What is an emergency? Neonicotinoids and emergency situations in plant protection in the EU. Ambio, 2022, 51, 1764-1771.	5.5	8
96	Substrate Marking by an Invasive Ladybeetle: Seasonal Changes in Hydrocarbon Composition and Behavioral Responses. PLoS ONE, 2013, 8, e61124.	2.5	7
97	Biological alternatives to pesticides to control wireworms (Coleoptera: Elateridae). Agri Gene, 2019, 11, 100080.	1.9	7
98	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
99	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
100	EU Court to rule on banned pesticide use. Science, 2021, 373, 290-290.	12.6	7
101	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
102	Associative Learning of <i>Nasonia vitripennis</i> Walker (Hymenoptera:Pteromalidae) to Methyldisulfanylmethane. Journal of Forensic Sciences, 2014, 59, 413-416.	1.6	6
103	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
104	Tuned protection of aphids by ants against a predatory hoverfly. Ecological Entomology, 2017, 42, 235-244.	2.2	6
105	Fourteen years of anthropization dynamics in the Uapaca bojeri Baill. forest of Madagascar. Landscape and Ecological Engineering, 2018, 14, 135-146.	1.5	6
106	Aphid–hoverfly interactions under elevated CO <sub>2</sub> concentrations: oviposition and larval development. Physiological Entomology, 2018, 43, 245-250.	1.5	6
107	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
108	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

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109	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
110	Comparison of lifeâ€history traits and oviposition preferences of <i>Tuta absoluta</i> for 12 common tomato varieties in Burkina Faso. Physiological Entomology, 2022, 47, 55-61.	1.5	6
111	Identification of the Alarm Pheromone of Cowpea Aphid, and Comparison With Two Other Aphididae Species. Journal of Insect Science, 2018, 18, .	1.5	5
112	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
113	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
114	Comparison of the Sex Pheromone Composition of Harmonia axyridis Originating from Native and Invaded Areas. Insects, 2019, 10, 326.	2.2	4
115	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
116	Depth and type of substrate influence the ability of Nasonia vitripennis to locate a host. Journal of Insect Science, 2014, 14, 58.	1.5	3
117	Is Contact Between Conspecifics Involved in the Cohesion of Harmonia axyridis (Pallas) (Coleoptera:) Tj ${\sf ETQq1\ 1\ 0}$	0.784314	rgBT /Ovedo
118	Depth and Type of Substrate Influence the Ability of <i>Nasonia vitripennis </i> to Locate a Host. Journal of Insect Science, 2014, 14, 1-12.	1.5	3
119	Do aphids actively search for ant partners?. Insect Science, 2015, 22, 283-288.	3.0	3
120	Premier signalement de <i>Deudorix livia</i> (Lepidoptera: Lycanidae) en Alg $\tilde{A}$ ©rie: Un ravageur important du grenadier et du palmier dattier. EPPO Bulletin, 2018, 48, 281-286.	0.8	3
121	Is conspecific substrate marking a longâ€term external memory of previously colonized overwintering sites in <i><scp>H</scp>armonia axyridis</i> >?. Journal of Applied Entomology, 2014, 138, 338-345.	1.8	2
122	Aphid Behavior on Amaranthus hybridus L. (Amaranthaceae) Associated with Ocimum spp. (Lamiaceae) as Repellent Plants. Agronomy, 2020, 10, 736.	3.0	2
123	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
124	Distribution et dégâts associés au thrips de l'oignon, <i>Thrips tabaci</i> L. (Thysanoptera :) and Chemical Sciences, 2020, 14, 2037-2048.	Tj ETQq0 ( 0.2	0 0 rgBT /Ov 1
125	<i>Nesidiocoris tenuis</i> in Burkina Faso: Distribution, predatory capacity and insecticide sensibility. Physiological Entomology, 2022, 47, 201-208.	1.5	O
126	Annual dynamics of fall armyworm populations in West Africa and biology in different host plants. Scientific African, 2022, 16, e01227.	1.5	0