

Maryse Vanderplanck

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,645
citations

331670

21
h-index

315739

38
g-index

48
all docs

48
docs citations

48
times ranked

1446
citing authors

#	ARTICLE	IF	CITATIONS
1	How Does Pollen Chemistry Impact Development and Feeding Behaviour of Polylectic Bees?. PLoS ONE, 2014, 9, e86209.	2.5	148
2	Pollen Protein: Lipid Macronutrient Ratios May Guide Broad Patterns of Bee Species Floral Preferences. Insects, 2020, 11, 132.	2.2	128
3	Global warming and plant-pollinator mismatches. Emerging Topics in Life Sciences, 2020, 4, 77-86.	2.6	128
4	Pollen and nectar quality drive the major and minor floral choices of bumble bees. Apidologie, 2015, 46, 92-106.	2.0	124
5	Diet effects on bumblebee health. Journal of Insect Physiology, 2017, 96, 128-133.	2.0	80
6	Pollen nutrients better explain bumblebee colony development than pollen diversity. Insect Conservation and Diversity, 2017, 10, 171-179.	3.0	74
7	Food in a row: urban trees offer valuable floral resources to pollinating insects. Urban Ecosystems, 2016, 19, 1149-1161.	2.4	73
8	Scent of a break-up: phylogeography and reproductive trait divergences in the red-tailed bumblebee (<i>Bombus lapidarius</i>). BMC Evolutionary Biology, 2013, 13, 263.	3.2	55
9	Standardized protocol to evaluate pollen polypeptides as bee food source. Apidologie, 2014, 45, 192-204.	2.0	54
10	Growth Rate of Bumblebee Larvae is Related to Pollen Amino Acids. Journal of Economic Entomology, 2016, 109, 25-30.	1.8	54
11	Do floral resources influence pollination rates and subsequent fruit set in pear (<i>Pyrus communis</i> L.) and apple (<i>Malus x domestica</i> Borkh) cultivars?. European Journal of Agronomy, 2016, 77, 59-69.	4.1	51
12	Patterns of size variation in bees at a continental scale: does Bergmann's rule apply?. Oikos, 2018, 127, 1095-1103.	2.7	48
13	Does <i>Aconitum septentrionale</i> chemically protect floral rewards to the advantage of specialist bumblebees?. Ecological Entomology, 2013, 38, 400-407.	2.2	47
14	Ensuring access to high-quality resources reduces the impacts of heat stress on bees. Scientific Reports, 2019, 9, 12596.	3.3	46
15	Stressful conditions reveal decrease in size, modification of shape but relatively stable asymmetry in bumblebee wings. Scientific Reports, 2018, 8, 15169.	3.3	44
16	Is non-host pollen suitable for generalist bumblebees?. Insect Science, 2018, 25, 259-272.	3.0	43
17	Asteraceae Paradox: Chemical and Mechanical Protection of <i>Taraxacum</i> Pollen. Insects, 2020, 11, 304.	2.2	38
18	Impact of pollen resources drift on common bumblebees in Europe. Global Change Biology, 2017, 23, 68-76.	9.5	36

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19	Micro-Quantitative Method for Analysis of Sterol Levels in Honeybees and Their Pollen Loads. <i>Analytical Letters</i> , 2011, 44, 1807-1820.	1.8	34
20	The importance of pollen chemistry in evolutionary host shifts of bees. <i>Scientific Reports</i> , 2017, 7, 43058.	3.3	30
21	The composition of cuticular compounds indicates body parts, sex and age in the model butterfly <i>Bicyclus anynana</i> (Lepidoptera). <i>Frontiers in Ecology and Evolution</i> , 2014, 2, .	2.2	29
22	Invasive plants as potential food resource for native pollinators: A case study with two invasive species and a generalist bumble bee. <i>Scientific Reports</i> , 2017, 7, 16242.	3.3	23
23	Ozone Pollution Alters Olfaction and Behavior of Pollinators. <i>Antioxidants</i> , 2021, 10, 636.	5.1	22
24	Interspecific Variation in Bumblebee Performance on Pollen Diet: New Insights for Mitigation Strategies. <i>PLoS ONE</i> , 2016, 11, e0168462.	2.5	22
25	Bumblebees depend on ericaceous species to survive in temperate heathlands. <i>Insect Conservation and Diversity</i> , 2017, 10, 78-93.	3.0	20
26	Fossil bees and their plant associates. , 2011, , 103-164.		18
27	Elevated Carbon Dioxide Concentration Reduces Alarm Signaling in Aphids. <i>Journal of Chemical Ecology</i> , 2017, 43, 164-171.	1.8	17
28	The impact of pollen quality on the sensitivity of bumblebees to pesticides. <i>Acta Oecologica</i> , 2020, 105, 103552.	1.1	15
29	Variations in Nutritional Requirements Across Bee Species. <i>Frontiers in Sustainable Food Systems</i> , 2022, 6, .	3.9	15
30	Generalized host-plant feeding can hide sterol-specialized foraging behaviors in bee-plant interactions. <i>Ecology and Evolution</i> , 2020, 10, 150-162.	1.9	14
31	Temperature regimes and aphid density interactions differentially influence VOC emissions in <i>Arabidopsis</i> . <i>Arthropod-Plant Interactions</i> , 2014, 8, 317.	1.1	13
32	Integration of non-targeted metabolomics and automated determination of elemental compositions for comprehensive alkaloid profiling in plants. <i>Phytochemistry</i> , 2018, 154, 1-9.	2.9	10
33	Monitoring bee health in European agro-ecosystems using wing morphology and fat bodies. <i>One Ecosystem</i> , 0, 6, .	0.0	10
34	Ozone Induces Distress Behaviors in Fig Wasps with a Reduced Chance of Recovery. <i>Insects</i> , 2021, 12, 995.	2.2	10
35	Bumble bee parasite prevalence but not genetic diversity impacted by the invasive plant <i>Impatiens glandulifera</i> . <i>Ecosphere</i> , 2019, 10, e02804.	2.2	9
36	Cuticular hydrocarbon composition does not allow <i>Harmonia axyridis</i> males to identify the mating status of sexual partners. <i>Entomologia Generalis</i> , 2019, 38, 211-224.	3.1	8

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37	Sterol addition during pollen collection by bees: another possible strategy to balance nutrient deficiencies?. <i>Apidologie</i> , 2020, 51, 826-843.	2.0	8
38	Poison or Potion: Effects of Sunflower Phenolamides on Bumble Bees and Their Gut Parasite. <i>Biology</i> , 2022, 11, 545.	2.8	8
39	Substrate Marking by an Invasive Ladybeetle: Seasonal Changes in Hydrocarbon Composition and Behavioral Responses. <i>PLoS ONE</i> , 2013, 8, e61124.	2.5	7
40	Impact of necrophagous insects on the emission of volatile organic compounds released during the decaying process. <i>Entomologia Generalis</i> , 2019, 39, 19-31.	3.1	7
41	Mechanisms involved in pearlfish resistance to holothuroid toxins. <i>Marine Biology</i> , 2016, 163, 1.	1.5	6
42	Specialized Metabolites in Floral Resources: Effects and Detection in Buff-Tailed Bumblebees. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	5
43	Comparison of the Sex Pheromone Composition of <i>Harmonia axyridis</i> Originating from Native and Invaded Areas. <i>Insects</i> , 2019, 10, 326.	2.2	4
44	Do aphids actively search for ant partners?. <i>Insect Science</i> , 2015, 22, 283-288.	3.0	3
45	Does pollination syndrome reflect pollinator efficiency in <i>Silene nutans</i> ?. <i>Acta Oecologica</i> , 2020, 105, 103557.	1.1	3
46	Is conspecific substrate marking a long-term external memory of previously colonized overwintering sites in <i>Harmonia axyridis</i> ?. <i>Journal of Applied Entomology</i> , 2014, 138, 338-345.	1.8	2
47	The taste of origin in a lady beetle: do males discriminate between females based on cuticular hydrocarbons?. <i>Physiological Entomology</i> , 2019, 44, 160-168.	1.5	1
48	Oligolectisme et calage phéromologique entre plante hôte et pollinisateur : étude de deux espèces printanières psammophiles, <i>Colletes cunicularius</i> (L.) (Hymenoptera, Colletidae) et <i>Andrena vaga</i> (Panzer) (Hymenoptera, Andrenidae). <i>Osmia</i> , 0, 3, 23-27.	0.0	1