

# Yves Brostaux

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

2,042  
citations

304368

22  
h-index

253896

43  
g-index

69  
all docs

69  
docs citations

69  
times ranked

2787  
citing authors

#	ARTICLE	IF	CITATIONS
1	Consumer acceptance of insect-based alternative meat products in Western countries. <i>Food Quality and Preference</i> , 2016, 52, 237-243.	2.3	348
2	Edible Insects Acceptance by Belgian Consumers: Promising Attitude for Entomophagy Development. <i>Journal of Sensory Studies</i> , 2014, 29, 14-20.	0.8	283
3	Microorganisms from aphid honeydew attract and enhance the efficacy of natural enemies. <i>Nature Communications</i> , 2011, 2, 348.	5.8	152
4	Virus Detection by High-Throughput Sequencing of Small RNAs: Large-Scale Performance Testing of Sequence Analysis Strategies. <i>Phytopathology</i> , 2019, 109, 488-497.	1.1	106
5	Could new information influence attitudes to foods supplemented with edible insects?. <i>British Food Journal</i> , 2017, 119, 2027-2039.	1.6	80
6	Efficacy of diatomaceous earth formulations admixed with grain against populations of <i>Tribolium castaneum</i> . <i>Journal of Stored Products Research</i> , 2005, 41, 121-130.	1.2	72
7	<i>Tuta absoluta</i> -induced plant volatiles: attractiveness towards the generalist predator <i>Macrolophus pygmaeus</i> . <i>Arthropod-Plant Interactions</i> , 2015, 9, 465-476.	0.5	53
8	Carrion Beetles Visiting Pig Carcasses during Early Spring in Urban, Forest and Agricultural Biotopes of Western Europe. <i>Journal of Insect Science</i> , 2011, 11, 1-13.	0.6	48
9	Influence of rhizobacterial volatiles on the root system architecture and the production and allocation of biomass in the model grass <i>Brachypodium distachyon</i> (L.) P. Beauv.. <i>BMC Plant Biology</i> , 2015, 15, 195.	1.6	48
10	Honeydew volatile emission acts as a kairomonal message for the Asian lady beetle <i>Harmonia axyridis</i> (Coleoptera: Coccinellidae). <i>Insect Science</i> , 2012, 19, 498-506.	1.5	38
11	A New Case of Consensual Decision: Collective Movement in Earthworms. <i>Ethology</i> , 2010, 116, 546-553.	0.5	37
12	Electrophysiological and Behavioral Responses of <i>Thanatophilus sinuatus</i> Fabricius (Coleoptera: Silphidae) to Selected Cadaveric Volatile Organic Compounds. <i>Journal of Forensic Sciences</i> , 2013, 58, 917-923.	0.9	32
13	Effects of honey bee virus prevalence, <i>Varroa destructor</i> load and queen condition on honey bee colony survival over the winter in Belgium. <i>Journal of Apicultural Research</i> , 2011, 50, 195-202.	0.7	31
14	Soil contamination near a former Zn-Pb ore-treatment plant: Evaluation of deterministic factors and spatial structures at the landscape scale. <i>Journal of Geochemical Exploration</i> , 2014, 147, 107-116.	1.5	30
15	Testing semiochemicals from aphid, plant and conspecific: attraction of <i>Harmonia axyridis</i> . <i>Insect Science</i> , 2012, 19, 372-382.	1.5	29
16	Role of long-chain hydrocarbons in the aggregation behaviour of <i>Harmonia axyridis</i> (Pallas) (Coleoptera: Coccinellidae). <i>Journal of Insect Physiology</i> , 2012, 58, 801-807.	0.9	29
17	Honey bee colony losses in Belgium during the 2008-9 winter. <i>Journal of Apicultural Research</i> , 2010, 49, 337-339.	0.7	27
18	archiDART: an R package for the automated computation of plant root architectural traits. <i>Plant and Soil</i> , 2016, 398, 351-365.	1.8	27

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19	Control of Apple Blue Mold by the Antagonistic Yeast <i>Pichia anomala</i> Strain K: Screening of UV Protectants for Preharvest Application. <i>Plant Disease</i> , 2011, 95, 311-316.	0.7	26
20	Phenological patterns in a natural population of a tropical timber tree species, <i>Milicia excelsa</i> (Moraceae): Evidence of isolation by time and its interaction with feeding strategies of dispersers. <i>American Journal of Botany</i> , 2012, 99, 1453-1463.	0.8	26
21	Potato ( <i>Solanum tuberosum</i> L.) tuber physiological age index is a valid reference frame in postharvest ageing studies. <i>Postharvest Biology and Technology</i> , 2008, 50, 103-106.	2.9	25
22	Larval development sites of the main Culicoides species (Diptera: Ceratopogonidae) in northern Europe and distribution of coprophilic species larvae in Belgian pastures. <i>Veterinary Parasitology</i> , 2014, 205, 676-686.	0.7	25
23	Evaluation of Î»-Carrageenan, CpG-ODN, Glycine Betaine, <i>Spirulina platensis</i> , and Ergosterol as Elicitors for Control of <i>Zymoseptoria tritici</i> in Wheat. <i>Phytopathology</i> , 2019, 109, 409-417.	1.1	23
24	How Far Can Consumer-Grade UAV RGB Imagery Describe Crop Production? A 3D and Multitemporal Modeling Approach Applied to <i>Zea mays</i> . <i>Remote Sensing</i> , 2018, 10, 1798.	1.8	22
25	Modelling the top-height growth and site index of Norway spruce in Southern Belgium. <i>Forest Ecology and Management</i> , 2013, 298, 62-70.	1.4	21
26	Self-Assemblage and Quorum in the Earthworm <i>Eisenia fetida</i> (Oligochaete, Lumbricidae). <i>PLoS ONE</i> , 2012, 7, e32564.	1.1	20
27	Use of response surface methodology for the optimization of the lipase-catalyzed synthesis of mannosyl myristate in pure ionic liquid. <i>Process Biochemistry</i> , 2013, 48, 1914-1920.	1.8	20
28	How Tightly Linked Are <i>Pericopsis elata</i> (Fabaceae) Patches to Anthropogenic Disturbances in Southeastern Cameroon?. <i>Forests</i> , 2015, 6, 293-310.	0.9	20
29	Composition, Seasonal Variation, and Biological Activities of <i>Lantana camara</i> Essential Oils from Côte d'Ivoire. <i>Molecules</i> , 2020, 25, 2400.	1.7	19
30	Reproductive strategies of <i>Tribolium</i> flour beetles. <i>Journal of Insect Science</i> , 2005, 5, 33.	0.6	18
31	Assessment of pre- and post-harvest anti-sprouting treatments to replace CIPC for potato storage. <i>Postharvest Biology and Technology</i> , 2021, 178, 111540.	2.9	18
32	Optimization of a formic/acetic acid delignification treatment on beech wood and its influence on the structural characteristics of the extracted lignins. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 128-136.		16
33	Comparative Chemical and Molecular Variability of <i>Cananga odorata</i> (Lam.) Hook.f. & Thomson forma genuina (Ylang-Ylang) in the Western Indian Ocean Islands: Implication for Valorization. <i>Chemistry and Biodiversity</i> , 2012, 9, 1389-1402.	1.0	15
34	Modeling recent bark stripping by red deer ( <i>Cervus elaphus</i> ) in South Belgium coniferous stands. <i>Annals of Forest Science</i> , 2013, 70, 309-318.	0.8	15
35	Occurrence of <i>Harmonia axyridis</i> (Coleoptera: Coccinellidae) in field crops. <i>European Journal of Entomology</i> , 2013, 110, 285-292.	1.2	15
36	Aggregation behavior of <i>Harmonia axyridis</i> under non-wintering conditions. <i>Insect Science</i> , 2015, 22, 670-678.	1.5	14

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37	The limited contribution of large trees to annual biomass production in an old-growth tropical forest. <i>Ecological Applications</i> , 2018, 28, 1273-1281.	1.8	14
38	Mitigation of bark stripping on spruce: the need for red deer population control. <i>European Journal of Forest Research</i> , 2021, 140, 227-240.	1.1	14
39	Temperature regimes and aphid density interactions differentially influence VOC emissions in <i>Arabidopsis</i> . <i>Arthropod-Plant Interactions</i> , 2014, 8, 317.	0.5	13
40	Use of New Glycerol-Based Dendrimers for Essential Oils Encapsulation: Optimization of Stirring Time and Rate Using a Plackett-Burman Design and a Surface Response Methodology. <i>Foods</i> , 2021, 10, 207.	1.9	13
41	A regional inventory and monitoring setup to evaluate bark peeling damage by red deer ( <i>Cervus</i> ) in the Jura region. <i>Forest Ecology and Management</i> , 2011, 181, 335-345.	1.3	12
42	Investigation of the influence of processing parameters on physicochemical properties of puff pastry margarines using surface response methodology. <i>LWT - Food Science and Technology</i> , 2013, 51, 225-232.	2.5	12
43	Identifying key pathways in manure and sewage management of dairy farming based on a quantitative typology: A case study in China. <i>Science of the Total Environment</i> , 2021, 760, 143326.	3.9	12
44	Consumption patterns, bacteriological quality and risk factors for <i>Salmonella</i> contamination in meat-based meals consumed outside the home in Kigali, Rwanda. <i>Food Control</i> , 2017, 73, 546-554.	2.8	11
45	A Semiochemical Slow-release Formulation in a Biological Control Approach to Attract Hoverflies. <i>Journal of Environment and Ecology</i> , 2011, 3, .	0.2	10
46	Impact of the extension of black leaf streak disease on banana susceptibility to post-harvest diseases. <i>Fruits</i> , 2013, 68, 351-365.	0.3	10
47	Distance-independent tree basal area growth models for Norway spruce, Douglas-fir and Japanese larch in Southern Belgium. <i>European Journal of Forest Research</i> , 2017, 136, 193-204.	1.1	10
48	Do spermathecal morphology and inter-mating interval influence paternity in the polyandrous beetle <i>Tribolium castaneum</i> ?. <i>Behaviour</i> , 2006, 143, 643-658.	0.4	8
49	<i>Plutella xylostella</i> (L.) infestations at varying temperatures induce the emission of specific volatile blends by <i>Arabidopsis thaliana</i> (L.) Heynh. <i>Plant Signaling and Behavior</i> , 2014, 9, e973816.	1.2	7
50	Daily intake and bacteriological quality of meat consumed in the households of Kigali, Rwanda. <i>Food Control</i> , 2016, 69, 108-114.	2.8	7
51	Water stream heating dynamics around extreme temperature events: An innovative method combining GAM and differential equations. <i>Journal of Hydrology</i> , 2021, 601, 126600.	2.3	7
52	Associative Learning of <i>Nasonia vitripennis</i> Walker (Hymenoptera:Pteromalidae) to Methylsulfanylmethane. <i>Journal of Forensic Sciences</i> , 2014, 59, 413-416.	0.9	6
53	Fourteen years of anthropization dynamics in the Uapaca bojeri Baill. forest of Madagascar. <i>Landscape and Ecological Engineering</i> , 2018, 14, 135-146.	0.7	6
54	Seed dispersal effectiveness of the western lowland gorilla ( <i>Gorilla gorilla gorilla</i> ) in Gabon. <i>African Journal of Ecology</i> , 2018, 56, 185-193.	0.4	6

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55	Meat retail conditions within the establishments of Kigali city (Rwanda): bacteriological quality and risk factors for Salmonella occurrence. <i>Tropical Animal Health and Production</i> , 2018, 50, 537-546.	0.5	6
56	Validation of Dairy Cow Bodyweight Prediction Using Traits Easily Recorded by Dairy Herd Improvement Organizations and Its Potential Improvement Using Feature Selection Algorithms. <i>Animals</i> , 2021, 11, 1288.	1.0	6
57	SIMREG, a tree-level distance-independent model to simulate forest dynamics and management from national forest inventory (NFI) data. <i>Ecological Modelling</i> , 2021, 440, 109382.	1.2	5
58	Short-Term Effects of Tillage Practices and Crop Residue Exportation on Soil Organic Matter and Earthworm Communities in Silt Loam Arable Soil. , 2018, , 53-71.		4
59	IS THE WESTERN LOWLAND GORILLA A GOOD GARDENER? EVIDENCE FOR DIRECTED DISPERSAL IN SOUTHEAST GABON. <i>Bois Et Forets Des Tropiques</i> , 2015, 324, 39.	0.2	4
60	Myzus persicae Feeding on Water Stressed-Arabidopsis Affects the Emission Profile of Plant Volatile Organic Compounds. <i>Journal of Environment and Ecology</i> , 2014, 5, 276.	0.2	2
61	Light Response of Seedlings of a Central African Timber Tree Species, <i>Lophira alata</i> (Ochnaceae), and the Definition of Light Requirements. <i>Biotropica</i> , 2015, 47, 681-688.	0.8	2
62	Can water level stations be used for thermal assessment in aquatic ecosystem?. <i>River Research and Applications</i> , 2020, 36, 960-973.	0.7	2
63	Appropriate Data Quality Checks Improve the Reliability of Values Predicted from Milk Mid-Infrared Spectra. <i>Animals</i> , 2021, 11, 533.	1.0	2
64	Possible Influence of Surfactants and Proteins on the Efficiency of Contact Agar Microbiological Surface Sampling. <i>Journal of Food Protection</i> , 2010, 73, 2116-2122.	0.8	1
65	Effects of <i>Apis mellifera</i> adansonii, L. 1758 (Apidae: Hymenoptera) pollination on yields of <i>Cucumeropsis mannii</i> (Naudin) in Kisangani, Democratic Republic of Congo. <i>International Journal of Biological and Chemical Sciences</i> , 2017, 11, 640.	0.1	1
66	Medium effects on micropropagation and genetic stability of <i>Citrullus lanatus</i> ; oleaginous type. <i>Agricultural Sciences</i> , 2013, 04, 32-44.	0.2	1
67	Évaluation d'une méthode d'échantillonnage passif pour la mesure des monoterpènes dans l'air intérieur. <i>Pollution Atmosphérique</i> , 2011, , .	0.1	0
68	EVALUATION OF THE SELF EFFICACY OF LEARNERS DURING INTENSIVE STATISTICAL TRAINING SESSIONS. <i>INTED Proceedings</i> , 2019, , .	0.0	0