

Geert Haesaert

List of Publications by Year in descending order

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72
papers

1,931
citations

304368

22
h-index

276539

41
g-index

74
all docs

74
docs citations

74
times ranked

2547
citing authors

#	ARTICLE	IF	CITATIONS
1	Green leaf volatile production by plants: a meta-analysis. <i>New Phytologist</i> , 2018, 220, 666-683.	3.5	247
2	Deoxynivalenol: A Major Player in the Multifaceted Response of <i>Fusarium</i> to Its Environment. <i>Toxins</i> , 2014, 6, 1-19.	1.5	206
3	The use of microalgae as a high-value organic slow-release fertilizer results in tomatoes with increased carotenoid and sugar levels. <i>Journal of Applied Phycology</i> , 2016, 28, 2367-2377.	1.5	199
4	Priming of Wheat with the Green Leaf Volatile Z-3-Hexenyl Acetate Enhances Defense against <i>Fusarium graminearum</i> But Boosts Deoxynivalenol Production. <i>Plant Physiology</i> , 2015, 167, 1671-1684.	2.3	110
5	Occurrence, prevention and remediation of toxigenic fungi and mycotoxins in silage: a review. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 2284-2302.	1.7	89
6	Purple non-sulphur bacteria and plant production: benefits for fertilization, stress resistance and the environment. <i>Microbial Biotechnology</i> , 2020, 13, 1336-1365.	2.0	70
7	Living apart together: crosstalk between the core and supernumerary genomes in a fungal plant pathogen. <i>BMC Genomics</i> , 2016, 17, 670.	1.2	53
8	Local post-harvest practices associated with aflatoxin and fumonisin contamination of maize in three agro ecological zones of Tanzania. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2016, 33, 551-559.	1.1	49
9	Perspectives on Global Mycotoxin Issues and Management From the MycoKey Maize Working Group. <i>Plant Disease</i> , 2021, 105, 525-537.	0.7	47
10	Mycotoxins in Flanders' Fields: Occurrence and Correlations with <i>Fusarium</i> Species in Whole-Plant Harvested Maize. <i>Microorganisms</i> , 2019, 7, 571.	1.6	46
11	Automatic wheat ear counting using machine learning based on RGB UAV imagery. <i>Plant Journal</i> , 2020, 103, 1603-1613.	2.8	39
12	Identification of <i>A. arborescens</i> , <i>A. grandis</i> , and <i>A. protenta</i> as new members of the European <i>Alternaria</i> population on potato. <i>Fungal Biology</i> , 2017, 121, 172-188.	1.1	38
13	Fungal Endophytes Control <i>Fusarium graminearum</i> and Reduce Trichothecenes and Zearalenone in Maize. <i>Toxins</i> , 2018, 10, 493.	1.5	38
14	Risk of Exposure to Multiple Mycotoxins from Maize-Based Complementary Foods in Tanzania. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 7106-7114.	2.4	37
15	<i>Fusarium</i> basal rot: profile of an increasingly important disease in <i>Allium</i> spp.. <i>Tropical Plant Pathology</i> , 2021, 46, 241-253.	0.8	35
16	Multi-Mycotoxin Contamination of Maize Silages in Flanders, Belgium: Monitoring Mycotoxin Levels from Seed to Feed. <i>Toxins</i> , 2021, 13, 202.	1.5	33
17	In Vitro Rumen Simulations Show a Reduced Disappearance of Deoxynivalenol, Nivalenol and Enniatin B at Conditions of Rumen Acidosis and Lower Microbial Activity. <i>Toxins</i> , 2020, 12, 101.	1.5	32
18	The compositional mosaic of <i>Fusarium</i> species and their mycotoxins in unprocessed cereals, food and feed products in Belgium. <i>International Journal of Food Microbiology</i> , 2014, 181, 28-36.	2.1	31

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19	Storage, fertilization and cost properties highlight the potential of dried microbial biomass as organic fertilizer. <i>Microbial Biotechnology</i> , 2020, 13, 1377-1389.	2.0	28
20	Stomatal Behavior of Cowpea Genotypes Grown Under Varying Moisture Levels. <i>Sustainability</i> , 2018, 10, 12.	1.6	27
21	Phosphorus mining for ecological restoration on former agricultural land. <i>Restoration Ecology</i> , 2015, 23, 842-851.	1.4	25
22	Genetic Divergence and Chemotype Diversity in the Fusarium Head Blight Pathogen <i>Fusarium poae</i> . <i>Toxins</i> , 2017, 9, 255.	1.5	25
23	The plant response induced in wheat ears by a combined attack of <i>Sitobion avenae</i> aphids and <i>Fusarium graminearum</i> boosts fungal infection and deoxynivalenol production. <i>Molecular Plant Pathology</i> , 2017, 18, 98-109.	2.0	19
24	Development of an UPLC-MS/MS Method for the Analysis of Mycotoxins in Rumen Fluid with and without Maize Silage Emphasizes the Importance of Using Matrix-Matched Calibration. <i>Toxins</i> , 2019, 11, 519.	1.5	19
25	Is nodding syndrome in northern Uganda linked to consumption of mycotoxin contaminated food grains?. <i>BMC Research Notes</i> , 2018, 11, 678.	0.6	18
26	Prevalence of aflatoxin, ochratoxin and deoxynivalenol in cereal grains in northern Uganda: Implication for food safety and health. <i>Toxicology Reports</i> , 2019, 6, 1012-1017.	1.6	18
27	Metabolomics Reveal Induction of ROS Production and Glycosylation Events in Wheat Upon Exposure to the Green Leaf Volatile Z-3-Hexenyl Acetate. <i>Frontiers in Plant Science</i> , 2020, 11, 596271.	1.7	17
28	Respiratory CO ₂ Combined With a Blend of Volatiles Emitted by Endophytic <i>Serendipita</i> Strains Strongly Stimulate Growth of <i>Arabidopsis</i> Implicating Auxin and Cytokinin Signaling. <i>Frontiers in Plant Science</i> , 2020, 11, 544435.	1.7	17
29	Green Leaf Volatile Confers Management of Late Blight Disease: A Green Vaccination in Potato. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 312.	1.5	17
30	Vp1 expression profiles during kernel development in six genotypes of wheat, triticale and rye. <i>Euphytica</i> , 2012, 188, 61-70.	0.6	14
31	Biotic stresses in the anthropogenic hybrid triticale (<i>Triticosecale</i> Wittmack): current knowledge and breeding challenges. <i>European Journal of Plant Pathology</i> , 2014, 140, 615-630.	0.8	14
32	Analysis of population structure and genetic diversity reveals gene flow and geographic patterns in cultivated rice (<i>O. sativa</i> and <i>O. glaberrima</i>) in West Africa. <i>Euphytica</i> , 2018, 214, 1.	0.6	14
33	Control of <i>Fusarium verticillioides</i> (Sacc.) Nirenberg and Fumonins by Using a Combination of Crop Protection Products and Fertilization. <i>Toxins</i> , 2018, 10, 67.	1.5	14
34	Relevance of hop terroir for beer flavour. <i>Journal of the Institute of Brewing</i> , 2021, 127, 238-247.	0.8	14
35	Effect of Phosphorus and Arbuscular Mycorrhizal Fungi (AMF) Inoculation on Growth and Productivity of Maize (<i>Zea mays</i> L.) in a Tropical Ferralsol. <i>Gesunde Pflanzen</i> , 2022, 74, 159-165.	1.7	13
36	α-Amylase gene expression during kernel development in relation to pre-harvest sprouting in wheat and triticale. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 2927-2938.	1.0	12

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37	A comparison of the nutritional value of Einkorn, Emmer, Khorasan and modern wheat: whole grains, processed in bread, and population-level intake implications. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 4108-4118.	1.7	11
38	Identifying drivers of spatio-temporal dynamics in barley yellow dwarf virus epidemiology as a critical factor in disease control. <i>Pest Management Science</i> , 2020, 76, 2548-2556.	1.7	11
39	Highlight report: Mycotoxins as food contaminants in Africa—challenges and perspectives. <i>Archives of Toxicology</i> , 2018, 92, 2151-2152.	1.9	10
40	Sebacinoids within rhizospheric fungal communities associated with subsistence farming in the Congo Basin: a needle in each haystack. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	10
41	Inter- and Intrafield Distribution of Cereal Leaf Beetle Species (Coleoptera: Chrysomelidae) in Belgian Winter Wheat. <i>Environmental Entomology</i> , 2019, 48, 276-283.	0.7	10
42	Evaluation of the Efficacy of Mycotoxin Modifiers and Mycotoxin Binders by Using an In Vitro Rumen Model as a First Screening Tool. <i>Toxins</i> , 2020, 12, 405.	1.5	10
43	Multi-sensors data fusion approach for site-specific seeding of consumption and seed potato production. <i>Precision Agriculture</i> , 2021, 22, 1890-1917.	3.1	10
44	Site-specific seeding for maize production using management zone maps delineated with multi-sensors data fusion scheme. <i>Soil and Tillage Research</i> , 2022, 220, 105377.	2.6	10
45	Exploration of essential oils as alternatives to conventional fungicides in lupin cultivation. <i>Organic Agriculture</i> , 2019, 9, 107-116.	1.2	9
46	Uncovering the biofumigant capacity of allyl isothiocyanate from several Brassicaceae crops against Fusarium pathogens in maize. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 5476-5486.	1.7	9
47	Population, Virulence, and Mycotoxin Profile of <i>Fusarium</i> spp. Associated With Basal Rot of <i>Allium</i> spp. in Vietnam. <i>Plant Disease</i> , 2021, 105, 1942-1950.	0.7	9
48	Screening Cowpea Genotypes for High Biological Nitrogen Fixation and Grain Yield under Drought Conditions. <i>Agronomy Journal</i> , 2018, 110, 1925-1935.	0.9	8
49	Essential descriptors for mycotoxin contamination data in food and feed. <i>Food Research International</i> , 2022, 152, 110883.	2.9	8
50	Osmotic Adjustment in Wheat (<i>Triticum aestivum</i> L.) During Pre- and Post-anthesis Drought. <i>Frontiers in Plant Science</i> , 2022, 13, 775652.	1.7	8
51	Aerobes and phototrophs as microbial organic fertilizers: Exploring mineralization, fertilization and plant protection features. <i>PLoS ONE</i> , 2022, 17, e0262497.	1.1	8
52	Potentials and Limitations of Existing Forecasting Models for Alternaria on Potatoes: Challenges for Model Improvement. <i>Potato Research</i> , 2017, 60, 61-76.	1.2	6
53	Phosphorus mining efficiency declines with decreasing soil P concentration and varies across crop species. <i>International Journal of Phytoremediation</i> , 2018, 20, 939-946.	1.7	6
54	Phenology-regulated defence mechanisms as drivers for Fusarium basal rot in onion (<i>Allium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.2	6

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55	Effect of the mycotoxin deoxynivalenol on grain aphid <i>Sitobion avenae</i> and its parasitic wasp <i>Aphidius ervi</i> through food chain contamination. <i>Arthropod-Plant Interactions</i> , 2016, 10, 323-329.	0.5	5
56	Clinical impact of deoxynivalenol, 3-acetyl-deoxynivalenol and 15-acetyl-deoxynivalenol on the severity of an experimental <i>Mycoplasma hyopneumoniae</i> infection in pigs. <i>BMC Veterinary Research</i> , 2018, 14, 190.	0.7	5
57	Present status of bacterial blight in cotton genotypes evaluated at Busia and Siaya counties of Western Kenya. <i>European Journal of Plant Pathology</i> , 2014, 139, 863-874.	0.8	4
58	Phytomining to re-establish phosphorus-poor soil conditions for nature restoration on former agricultural land. <i>Plant and Soil</i> , 2019, 440, 233-246.	1.8	4
59	Increasing of NPK Fertilizer Efficiency by Arbuscular Mycorrhiza in Common Bean (<i>Phaseolus</i>) Tj ETQq1 1 0.784314 _{1.7} /Overlock 10 ₄	1.7	4
60	Genetic Characterization of Fungal Biodiversity in Storage Grains: Towards Enhancing Food Safety in Northern Uganda. <i>Microorganisms</i> , 2021, 9, 383.	1.6	4
61	Cucurbitaceae COld Peeling Extracts (CCOPEs) Protect Plants From Root-Knot Nematode Infections Through Induced Resistance and Nematicidal Effects. <i>Frontiers in Plant Science</i> , 2021, 12, 785699.	1.7	4
62	Early sowing and harvesting as effective measures to reduce stalk borer injury, <i>Fusarium verticillioides</i> incidence and associated fumonisin production in maize. <i>Tropical Plant Pathology</i> , 2019, 44, 151-161.	0.8	3
63	Evaluation of genome size and quantitative features of the dolipore septum as taxonomic predictors for the <i>Serendipita williamsii</i> ™ species complex. <i>Fungal Biology</i> , 2020, 124, 781-800.	1.1	3
64	Combination of Potassium Phosphite and Reduced Doses of Fungicides Encourages Protection against <i>Phytophthora infestans</i> in Potatoes. <i>Agriculture (Switzerland)</i> , 2022, 12, 189.	1.4	3
65	YIELD PERFORMANCE, CARBON ASSIMILATION AND SPECTRAL RESPONSE OF TRITICALE TO WATER STRESS. <i>Experimental Agriculture</i> , 2017, 53, 100-117.	0.4	2
66	Combining High Yields and Blast Resistance in Rice (<i>Oryza</i> spp.): A Screening under Upland and Lowland Conditions in Benin. <i>Sustainability</i> , 2018, 10, 2500.	1.6	2
67	Exploring genetic diversity and disease response of cultivated rice accessions (<i>Oryza</i> spp.) against <i>Pyricularia oryzae</i> under rainfed upland conditions in Benin. <i>Genetic Resources and Crop Evolution</i> , 2018, 65, 1615-1624.	0.8	2
68	Potentials and Limitations of a Growing Degree Day Approach to Predict the Phenology of Cereal Leaf Beetles. <i>Environmental Entomology</i> , 2018, 47, 1039-1046.	0.7	1
69	Does shifting from conventional to zero tillage in combination with a cover crop offers opportunities for silage maize cultivation in Flanders?. <i>Journal of Plant Nutrition and Soil Science</i> , 2019, 182, 980-989.	1.1	1
70	Characterization of Ugandan Endemic <i>Aspergillus</i> Species and Identification of Non-Aflatoxigenic Isolates for Potential Biocontrol of Aflatoxins. <i>Toxins</i> , 2022, 14, 304.	1.5	1
71	Cover Image, Volume 76, Issue 8. <i>Pest Management Science</i> , 2020, 76, .	1.7	0
72	Development of a taxon-discriminating molecular marker to trace and quantify a mycorrhizal inoculum in roots and soils of agroecosystems. <i>Folia Microbiologica</i> , 2021, 66, 371-384.	1.1	0