# Geert Haesaert

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8614447/publications.pdf

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| 72 | 1,931 | 304368 22 | 276539 41 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 74 | 74 | 74 | 2547 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of Phosphorus and Arbuscular Mycorrhizal Fungi (AMF) Inoculation on Growth and Productivity of Maize (Zea maysÂL.) in aÂTropical Ferralsol. Gesunde Pflanzen, 2022, 74, 159-165. | 1.7 | 13 |
| 2 | Essential descriptors for mycotoxin contamination data in food and feed. Food Research International, 2022, 152, 110883. | 2.9 | 8 |
| 3 | Combination of Potassium Phosphite and Reduced Doses of Fungicides Encourages Protection against Phytophthora infestans in Potatoes. Agriculture (Switzerland), 2022, 12, 189. | 1.4 | 3 |
| 4 | Osmotic Adjustment in Wheat (Triticum aestivum L.) During Pre- and Post-anthesis Drought. Frontiers in Plant Science, 2022, 13, 775652. | 1.7 | 8 |
| 5 | Aerobes and phototrophs as microbial organic fertilizers: Exploring mineralization, fertilization and plant protection features. PLoS ONE, 2022, 17, e0262497. | 1.1 | 8 |
| 6 | Site-specific seeding for maize production using management zone maps delineated with multi-sensors data fusion scheme. Soil and Tillage Research, 2022, 220, 105377. | 2.6 | 10 |
| 7 | Characterization of Ugandan Endemic Aspergillus Species and Identification of Non-Aflatoxigenic Isolates for Potential Biocontrol of Aflatoxins. Toxins, 2022, 14, 304. | 1.5 | 1 |
| 8 | Phenologyâ€•regulated defence mechanisms as drivers for Fusarium basal rot in onion (Allium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4 | 1.2 | 6 |
| 9 | Perspectives on Global Mycotoxin Issues and Management From the MycoKey Maize Working Group. Plant Disease, 2021, 105, 525-537. | 0.7 | 47 |
| 10 | Development of a taxon-discriminating molecular marker to trace and quantify a mycorrhizal inoculum in roots and soils of agroecosystems. Folia Microbiologica, 2021, 66, 371-384. | 1.1 | 0 |
| 11 | Genetic Characterization of Fungal Biodiversity in Storage Grains: Towards Enhancing Food Safety in Northern Uganda. Microorganisms, 2021, 9, 383. | 1.6 | 4 |
| 12 | Fusarium basal rot: profile of an increasingly important disease in Allium spp.. Tropical Plant Pathology, 2021, 46, 241-253. | 0.8 | 35 |
| 13 | Multi-Mycotoxin Contamination of Maize Silages in Flanders, Belgium: Monitoring Mycotoxin Levels from Seed to Feed. Toxins, 2021, 13, 202. | 1.5 | 33 |
| 14 | Green Leaf Volatile Confers Management of Late Blight Disease: A Green Vaccination in Potato. Journal of Fungi (Basel, Switzerland), 2021, 7, 312. | 1.5 | 17 |
| 15 | Multi-sensors data fusion approach for site-specific seeding of consumption and seed potato production. Precision Agriculture, 2021, 22, 1890-1917. | 3.1 | 10 |
| 16 | Population, Virulence, and Mycotoxin Profile of Fusarium spp. Associated With Basal Rot of Allium spp. in Vietnam. Plant Disease, 2021, 105, 1942-1950. | 0.7 | 9 |
| 17 | Relevance of hop terroir for beer flavour. Journal of the Institute of Brewing, 2021, 127, 238-247. | 0.8 | 14 |
| 18 | Cucurbitaceae COld Peeling Extracts (CCOPEs) Protect Plants From Root-Knot Nematode Infections Through Induced Resistance and Nematicidal Effects. Frontiers in Plant Science, 2021, 12, 785699. | 1.7 | 4 |

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|---|---|---|---|
| 19 | Purple nonâ€sulphur bacteria and plant production: benefits for fertilization, stress resistance and the environment. Microbial Biotechnology, 2020, 13, 1336-1365. | 2.0 | 70 |
| 20 | Metabolomics Reveal Induction of ROS Production and Glycosylation Events in Wheat Upon Exposure to the Green Leaf Volatile Z-3-Hexenyl Acetate. Frontiers in Plant Science, 2020, 11, 596271. | 1.7 | 17 |
| 21 | Evaluation of genome size and quantitative features of the dolipore septum as taxonomic predictors for the Serendipita â€˜williamsiiâ€™ species complex. Fungal Biology, 2020, 124, 781-800. | 1.1 | 3 |
| 22 | Respiratory CO2 Combined With a Blend of Volatiles Emitted by Endophytic Serendipita Strains Strongly Stimulate Growth of Arabidopsis Implicating Auxin and Cytokinin Signaling. Frontiers in Plant Science, 2020, 11, 544435. | 1.7 | 17 |
| 23 | Cover Image, Volume 76, Issue 8. Pest Management Science, 2020, 76, . | 1.7 | 0 |
| 24 | Increasing of NPK Fertilizer Efficiency by Arbuscular Mycorrhiza in Common Bean (Phaseolus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 | 1.7 | 4 |
| 25 | Automatic wheat ear counting using machine learning based on RGB UAV imagery. Plant Journal, 2020, 103, 1603-1613. | 2.8 | 39 |
| 26 | Uncovering the biofumigant capacity of allyl isothiocyanate from several Brassicaceae crops against Fusarium pathogens in maize. Journal of the Science of Food and Agriculture, 2020, 100, 5476-5486. | 1.7 | 9 |
| 27 | Storage, fertilization and cost properties highlight the potential of dried microbial biomass as organic fertilizer. Microbial Biotechnology, 2020, 13, 1377-1389. | 2.0 | 28 |
| 28 | Evaluation of the Efficacy of Mycotoxin Modifiers and Mycotoxin Binders by Using an In Vitro Rumen Model as a First Screening Tool. Toxins, 2020, 12, 405. | 1.5 | 10 |
| 29 | In Vitro Rumen Simulations Show a Reduced Disappearance of Deoxynivalenol, Nivalenol and Enniatin B at Conditions of Rumen Acidosis and Lower Microbial Activity. Toxins, 2020, 12, 101. | 1.5 | 32 |
| 30 | A comparison of the nutritional value of Einkorn, Emmer, Khorasan and modern wheat: whole grains, processed in bread, and populationâ€level intake implications. Journal of the Science of Food and Agriculture, 2020, 100, 4108-4118. | 1.7 | 11 |
| 31 | Identifying drivers of spatioâ€temporal dynamics in barley yellow dwarf virus epidemiology as a critical factor in disease control. Pest Management Science, 2020, 76, 2548-2556. | 1.7 | 11 |
| 32 | Early sowing and harvesting as effective measures to reduce stalk borer injury, Fusarium verticillioides incidence and associated fumonisin production in maize. Tropical Plant Pathology, 2019, 44, 151-161. | 0.8 | 3 |
| 33 | Sebacinoids within rhizospheric fungal communities associated with subsistence farming in the Congo Basin: a needle in each haystack. FEMS Microbiology Ecology, 2019, 95, . | 1.3 | 10 |
| 34 | Does shifting from conventional to zero tillage in combination with a cover crop offers opportunities for silage maize cultivation in Flanders?. Journal of Plant Nutrition and Soil Science, 2019, 182, 980-989. | 1.1 | 1 |
| 35 | 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. Toxins, 2019, 11, 519. | 1.5 | 19 |
| 36 | Prevalence of aflatoxin, ochratoxin and deoxynivalenol in cereal grains in northern Uganda: Implication for food safety and health. Toxicology Reports, 2019, 6, 1012-1017. | 1.6 | 18 |

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|---|---|---|---|
| 37 | Inter- and Intrafield Distribution of Cereal Leaf Beetle Species (Coleoptera: Chrysomelidae) in Belgian Winter Wheat. Environmental Entomology, 2019, 48, 276-283. | 0.7 | 10 |
| 38 | Phytomining to re-establish phosphorus-poor soil conditions for nature restoration on former agricultural land. Plant and Soil, 2019, 440, 233-246. | 1.8 | 4 |
| 39 | Mycotoxins in Flandersâ€™ Fields: Occurrence and Correlations with Fusarium Species in Whole-Plant Harvested Maize. Microorganisms, 2019, 7, 571. | 1.6 | 46 |
| 40 | Exploration of essential oils as alternatives to conventional fungicides in lupin cultivation. Organic Agriculture, 2019, 9, 107-116. | 1.2 | 9 |
| 41 | Highlight report: Mycotoxins as food contaminants in Africaâ€"challenges and perspectives. Archives of Toxicology, 2018, 92, 2151-2152. | 1.9 | 10 |
| 42 | Green leaf volatile production by plants: a metaâ€analysis. New Phytologist, 2018, 220, 666-683. | 3.5 | 247 |
| 43 | Fungal Endophytes Control Fusarium graminearum and Reduce Trichothecenes and Zearalenone in Maize. Toxins, 2018, 10, 493. | 1.5 | 38 |
| 44 | Is nodding syndrome in northern Uganda linked to consumption of mycotoxin contaminated food grains?. BMC Research Notes, 2018, 11, 678. | 0.6 | 18 |
| 45 | Analysis of population structure and genetic diversity reveals gene flow and geographic patterns in cultivated rice (O. sativa and O. glaberrima) in West Africa. Euphytica, 2018, 214, 1. | 0.6 | 14 |
| 46 | Combining High Yields and Blast Resistance in Rice (Oryza spp.): A Screening under Upland and Lowland Conditions in Benin. Sustainability, 2018, 10, 2500. | 1.6 | 2 |
| 47 | Control of Fusarium verticillioides (Sacc.) Nirenberg and Fumonisins by Using a Combination of Crop Protection Products and Fertilization. Toxins, 2018, 10, 67. | 1.5 | 14 |
| 48 | Clinical impact of deoxynivalenol, 3-acetyl-deoxynivalenol and 15-acetyl-deoxynivalenol on the severity of an experimental Mycoplasma hyopneumoniae infection in pigs. BMC Veterinary Research, 2018, 14, 190. | 0.7 | 5 |
| 49 | Stomatal Behavior of Cowpea Genotypes Grown Under Varying Moisture Levels. Sustainability, 2018, 10, 12. | 1.6 | 27 |
| 50 | Exploring genetic diversity and disease response of cultivated rice accessions (Oryza spp.) against Pyricularia oryzae under rainfed upland conditions in Benin. Genetic Resources and Crop Evolution, 2018, 65, 1615-1624. | 0.8 | 2 |
| 51 | Screening Cowpea Genotypes for High Biological Nitrogen Fixation and Grain Yield under Drought Conditions. Agronomy Journal, 2018, 110, 1925-1935. | 0.9 | 8 |
| 52 | Phosphorus mining efficiency declines with decreasing soil P concentration and varies across crop species. International Journal of Phytoremediation, 2018, 20, 939-946. | 1.7 | 6 |
| 53 | Potentials and Limitations of a Growing Degree Day Approach to Predict the Phenology of Cereal Leaf Beetles. Environmental Entomology, 2018, 47, 1039-1046. | 0.7 | 1 |
| 54 | The plant response induced in wheat ears by a combined attack of Sitobion avenae aphids and Fusarium graminearum boosts fungal infection and deoxynivalenol production. Molecular Plant Pathology, 2017, 18, 98-109. | 2.0 | 19 |

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|---|---|---|---|
| 55 | YIELD PERFORMANCE, CARBON ASSIMILATION AND SPECTRAL RESPONSE OF TRITICALE TO WATER STRESS. Experimental Agriculture, 2017, 53, 100-117. | 0.4 | 2 |
| 56 | Identification of A. arborescens, A. grandis, and A. protenta as new members of the European Alternaria population on potato. Fungal Biology, 2017, 121, 172-188. | 1.1 | 38 |
| 57 | Potentials and Limitations of Existing Forecasting Models for Alternaria on Potatoes: Challenges for Model Improvement. Potato Research, 2017, 60, 61-76. | 1.2 | 6 |
| 58 | Risk of Exposure to Multiple Mycotoxins from Maize-Based Complementary Foods in Tanzania. Journal of Agricultural and Food Chemistry, 2017, 65, 7106-7114. | 2.4 | 37 |
| 59 | Genetic Divergence and Chemotype Diversity in the Fusarium Head Blight Pathogen Fusarium poae. Toxins, 2017, 9, 255. | 1.5 | 25 |
| 60 | Occurrence, prevention and remediation of toxigenic fungi and mycotoxins in silage: a review. Journal of the Science of Food and Agriculture, 2016, 96, 2284-2302. | 1.7 | 89 |
| 61 | Effect of the mycotoxin deoxynivalenol on grain aphid Sitobion avenae and its parasitic wasp Aphidius ervi through food chain contamination. Arthropod-Plant Interactions, 2016, 10, 323-329. | 0.5 | 5 |
| 62 | Living apart together: crosstalk between the core and supernumerary genomes in a fungal plant pathogen. BMC Genomics, 2016, 17, 670. | 1.2 | 53 |
| 63 | Local post-harvest practices associated with aflatoxin and fumonisin contamination of maize in three agro ecological zones of Tanzania. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2016, 33, 551-559. | 1.1 | 49 |
| 64 | The use of microalgae as a high-value organic slow-release fertilizer results in tomatoes with increased carotenoid and sugar levels. Journal of Applied Phycology, 2016, 28, 2367-2377. | 1.5 | 199 |
| 65 | Phosphorus mining for ecological restoration on former agricultural land. Restoration Ecology, 2015, 23, 842-851. | 1.4 | 25 |
| 66 | Priming of Wheat with the Green Leaf Volatile Z-3-Hexenyl Acetate Enhances Defense against Fusarium graminearum But Boosts Deoxynivalenol Production. Plant Physiology, 2015, 167, 1671-1684. | 2.3 | 110 |
| 67 | Biotic stresses in the anthropogenic hybrid triticale (Ã—Triticosecale Wittmack): current knowledge and breeding challenges. European Journal of Plant Pathology, 2014, 140, 615-630. | 0.8 | 14 |
| 68 | Deoxynivalenol: A Major Player in the Multifaceted Response of Fusarium to Its Environment. Toxins, 2014, 6, 1-19. | 1.5 | 206 |
| 69 | The compositional mosaic of Fusarium species and their mycotoxins in unprocessed cereals, food and feed products in Belgium. International Journal of Food Microbiology, 2014, 181, 28-36. | 2.1 | 31 |
| 70 | Present status of bacterial blight in cotton genotypes evaluated at Busia and Siaya counties of Western Kenya. European Journal of Plant Pathology, 2014, 139, 863-874. | 0.8 | 4 |
| 71 | Î±-Amylase gene expression during kernel development in relation to pre-harvest sprouting in wheat and triticale. Acta Physiologiae Plantarum, 2013, 35, 2927-2938. | 1.0 | 12 |
| 72 | Vp1 expression profiles during kernel development in six genotypes of wheat, triticale and rye. Euphytica, 2012, 188, 61-70. | 0.6 | 14 |