

# James P Legg

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

2,607  
citations

430874

18  
h-index

526287

27  
g-index

30  
all docs

30  
docs citations

30  
times ranked

3211  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Impact of Host Plant Species and Whitefly Species on Feeding Behavior of Bemisia tabaci. <i>Frontiers in Plant Science</i> , 2019, 10, 1.   | 3.6 | 704       |
| 2  | Deep Learning for Image-Based Cassava Disease Detection. <i>Frontiers in Plant Science</i> , 2017, 8, 1852.   | 3.6 | 426       |
| 3  | World Management of Geminiviruses. <i>Annual Review of Phytopathology</i> , 2018, 56, 637-677.  | 7.8 | 247       |
| 4  | Cassava Virus Diseases. <i>Advances in Virus Research</i> , 2015, 91, 85-142.   | 2.1 | 196       |
| 5  | A Mobile-Based Deep Learning Model for Cassava Disease Diagnosis. <i>Frontiers in Plant Science</i> , 2019, 10, 272.  | 3.6 | 153       |
| 6  | Spatio-temporal patterns of genetic change amongst populations of cassava Bemisia tabaci whiteflies driving virus pandemics in East and Central Africa. <i>Virus Research</i> , 2014, 186, 61-75.                 | 2.2 | 109       |
| 7  | Cassava brown streak disease: a threat to food security in Africa. <i>Journal of General Virology</i> , 2015, 96, 956-968.  | 2.9 | 100       |
| 8  | Biology and management of Bemisia whitefly vectors of cassava virus pandemics in Africa. <i>Pest Management Science</i> , 2014, 70, 1446-1453.  | 3.4 | 99        |
| 9  | Cassava brown streak disease: a threat to food security in Africa. <i>Journal of General Virology</i> , 2015, 96, 956-968.  | 2.9 | 89        |
| 10 | Management of Whitefly-Transmitted Viruses in Open-Field Production Systems. <i>Advances in Virus Research</i> , 2014, 90, 147-206.   | 2.1 | 70        |
| 11 | Unravelling the Genetic Diversity among Cassava Bemisia tabaci Whiteflies Using NextRAD Sequencing. <i>Genome Biology and Evolution</i> , 2017, 9, 2958-2973.   | 2.5 | 57        |
| 12 | Community phytosanitation to manage cassava brown streak disease. <i>Virus Research</i> , 2017, 241, 236-253.   | 2.2 | 48        |
| 13 | Genome of the African cassava whitefly Bemisia tabaci and distribution and genetic diversity of cassava-colonizing whiteflies in Africa. <i>Insect Biochemistry and Molecular Biology</i> , 2019, 110, 112-120.   | 2.7 | 47        |
| 14 | Absolute quantification of cassava brown streak virus mRNA by real-time qPCR. <i>Journal of Virological Methods</i> , 2017, 245, 5-13.  | 2.1 | 40        |
| 15 | Potential impact of climate change on whiteflies and implications for the spread of vectored viruses. <i>Journal of Pest Science</i> , 2019, 92, 381-392.   | 3.7 | 30        |
| 16 | Global Cropland Connectivity: A Risk Factor for Invasion and Saturation by Emerging Pathogens and Pests. <i>BioScience</i> , 2020, 70, 744-758.   | 4.9 | 30        |
| 17 | Genetic diversity of Bemisia tabaci species colonizing cassava in Central African Republic characterized by analysis of cytochrome c oxidase subunit I. <i>PLoS ONE</i> , 2017, 12, e0182749.                     | 2.5 | 27        |
| 18 | Accuracy of a Smartphone-Based Object Detection Model, PlantVillage Nuru, in Identifying the Foliar Symptoms of the Viral Diseases of Cassava—CMD and CBSD. <i>Frontiers in Plant Science</i> , 2020, 11, 590889. | 3.6 | 23        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Plant pest surveillance: from satellites to molecules. <i>Emerging Topics in Life Sciences</i> , 2021, 5, 275-287.   | 2.6 | 21        |
| 20 | Expansion of the cassava brown streak pandemic in Uganda revealed by annual field survey data for 2004 to 2017. <i>Scientific Data</i> , 2019, 6, 327.   | 5.3 | 19        |
| 21 | Survey, Molecular Detection, and Characterization of Geminiviruses Associated with Cassava Mosaic Disease in Zambia. <i>Plant Disease</i> , 2016, 100, 1379-1387.  | 1.4 | 17        |
| 22 | Genetic Diversity of <i>Bemisia tabaci</i> (Gennadius) (Hemiptera: Aleyrodidae) Colonizing Sweet Potato and Cassava in South Sudan. <i>Insects</i> , 2020, 11, 58.   | 2.2 | 17        |
| 23 | KASP Genotyping as a Molecular Tool for Diagnosis of Cassava-Colonizing <i>Bemisia tabaci</i> . <i>Insects</i> , 2020, 11, 305.  | 2.2 | 9         |
| 24 | Expansion of the Cassava Brown Streak Disease Epidemic in Eastern Democratic Republic of Congo. <i>Plant Disease</i> , 2021, 105, 2177-2188.   | 1.4 | 8         |
| 25 | Cassava mosaic geminiviruses associated with cassava mosaic disease in Rwanda. <i>International Journal of Pest Management</i> , 2005, 51, 17-23.  | 1.8 | 7         |
| 26 | Innovative Digital Technologies to Monitor and Control Pest and Disease Threats in Root, Tuber, and Banana (RT&B) Cropping Systems: Progress and Prospects. , 2022, , 261-288.                                       |     | 4         |
| 27 | Commercially Sustainable Cassava Seed Systems in Africa. , 2022, , 453-482.  |     | 4         |
| 28 | Genetic Diversity of Mitochondrial DNA of <i>Bemisia tabaci</i> (Gennadius) (Hemiptera: Aleyrodidae) Associated with Cassava and the Occurrence of Cassava Mosaic Disease in Zambia. <i>Insects</i> , 2020, 11, 761. | 2.2 | 3         |