James P Legg

List of Publications by Year
in descending order

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	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
2	Commercially Sustainable Cassava Seed Systems in Africa. , 2022, , 453-482.		4
3	Expansion of the Cassava Brown Streak Disease Epidemic in Eastern Democratic Republic of Congo. Plant Disease, 2021, 105, 2177-2188.	1.4	8
4	Plant pest surveillance: from satellites to molecules. Emerging Topics in Life Sciences, 2021, 5, 275-287.	2.6	21
5	Global Cropland Connectivity: A Risk Factor for Invasion and Saturation by Emerging Pathogens and Pests. BioScience, 2020, 70, 744-758.	4.9	30
6	Accuracy of a Smartphone-Based Object Detection Model, PlantVillage Nuru, in Identifying the Foliar Symptoms of the Viral Diseases of Cassavaâ€“CMD and CBSD. Frontiers in Plant Science, 2020, 11, 590889.	3.6	23
7	Genetic Diversity of Mitochondrial DNA of Bemisia tabaci (Gennadius) (Hemiptera: Aleyrodidae) Associated with Cassava and the Occurrence of Cassava Mosaic Disease in Zambia. Insects, 2020, 11, 761.	2.2	3
8	KASP Genotyping as a Molecular Tool for Diagnosis of Cassava-Colonizing Bemisia tabaci. Insects, 2020, 11, 305.	2.2	9
9	Genetic Diversity of Bemisia tabaci (Gennadius) (Hemiptera: Aleyrodidae) Colonizing Sweet Potato and Cassava in South Sudan. Insects, 2020, 11, 58.	2.2	17
10	Genome of the African cassava whitefly Bemisia tabaci and distribution and genetic diversity of cassava-colonizing whiteflies in Africa. Insect Biochemistry and Molecular Biology, 2019, 110, 112-120.	2.7	47
11	A Mobile-Based Deep Learning Model for Cassava Disease Diagnosis. Frontiers in Plant Science, 2019, 10, 272.	3.6	153
12	Expansion of the cassava brown streak pandemic in Uganda revealed by annual field survey data for 2004 to 2017. Scientific Data, 2019, 6, 327.	5.3	19
13	Impact of Host Plant Species and Whitefly Species on Feeding Behavior of Bemisia tabaci. Frontiers in Plant Science, 2019, 10, 1.	3.6	704
14	Potential impact of climate change on whiteflies and implications for the spread of vectored viruses. Journal of Pest Science, 2019, 92, 381-392.	3.7	30
15	World Management of Geminiviruses. Annual Review of Phytopathology, 2018, 56, 637-677.	7.8	247
16	Community phytosanitation to manage cassava brown streak disease. Virus Research, 2017, 241, 236-253.	2.2	48
17	Absolute quantification of cassava brown streak virus mRNA by real-time qPCR. Journal of Virological Methods, 2017, 245, 5-13.	2.1	40
18	Deep Learning for Image-Based Cassava Disease Detection. Frontiers in Plant Science, 2017, 8, 1852.	3.6	426

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19	Unravelling the Genetic Diversity among Cassava Bemisia tabaci Whiteflies Using NextRAD Sequencing. Genome Biology and Evolution, 2017, 9, 2958-2973.	2.5	57
20	Genetic diversity of Bemisia tabaci species colonizing cassava in Central African Republic characterized by analysis of cytochrome c oxidase subunit I. PLoS ONE, 2017, 12, e0182749.	2.5	27
21	Survey, Molecular Detection, and Characterization of Geminiviruses Associated with Cassava Mosaic Disease in Zambia. Plant Disease, 2016, 100, 1379-1387.	1.4	17
22	Cassava brown streak disease: a threat to food security in Africa. Journal of General Virology, 2015, 96, 956-968.	2.9	89
23	Cassava brown streak disease: a threat to food security in Africa. Journal of General Virology, 2015, 96, 956-968.	2.9	100
24	Cassava Virus Diseases. Advances in Virus Research, 2015, 91, 85-142.	2.1	196
25	Biology and management of Bemisia whitefly vectors of cassava virus pandemics in Africa. Pest Management Science, 2014, 70, 1446-1453.	3.4	99
26	Management of Whitefly-Transmitted Viruses in Open-Field Production Systems. Advances in Virus Research, 2014, 90, 147-206.	2.1	70
27	Spatio-temporal patterns of genetic change amongst populations of cassava Bemisia tabaci whiteflies driving virus pandemics in East and Central Africa. Virus Research, 2014, 186, 61-75.	2.2	109
28	Cassava mosaic geminiviruses associated with cassava mosaic disease in Rwanda. International Journal of Pest Management, 2005, 51, 17-23.	1.8	7