

# Judith K Brown

## List of Publications by Year in descending order

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92  
papers

4,732  
citations

117625

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102487

66  
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95  
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95  
docs citations

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times ranked

2769  
citing authors

#	ARTICLE	IF	CITATIONS
1	Earlier than expected introductions of the <i>Bemisia tabaci</i> B mitotype in Brazil reveal an unprecedented, rapid invasion history. <i>Ecology and Evolution</i> , 2022, 12, e8557.	1.9	3
2	Comparison of <i>Auxenochlorella protothecoides</i> and <i>Chlorella</i> spp. Chloroplast Genomes: Evidence for Endosymbiosis and Horizontal Virus-like Gene Transfer. <i>Life</i> , 2022, 12, 458.	2.4	0
3	Knockdown of ecdysteroid synthesis genes results in impaired molting and high mortality in <i>Bactericera cockerelli</i> (Hemiptera: Trioizidae). <i>Pest Management Science</i> , 2022, 78, 2204-2214.	3.4	8
4	Differential Transcriptional Responses in Two Old World <i>Bemisia tabaci</i> Cryptic Species Post Acquisition of Old and New World Begomoviruses. <i>Cells</i> , 2022, 11, 2060.	4.1	11
5	Metabolic resistance to organophosphate insecticides in natural populations of the whitefly <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae) in Egypt and molecular identification of mitotypes. <i>Phytoparasitica</i> , 2021, 49, 443-457.	1.2	5
6	A stationary tweezer platform for high throughput dissections of minute arthropods and extirpation of their minute organs. <i>MethodsX</i> , 2021, 8, 101317.	1.6	3
7	Molecular detection of cacao swollen shoot badnavirus species by amplification with four PCR primer pairs, and evidence that Cacao swollen shoot Togo B virus-like isolates are highly prevalent in CÔte d'Ivoire. <i>European Journal of Plant Pathology</i> , 2021, 159, 941-947.	1.7	4
8	Single nucleotide polymorphism-mismatch primer development for rapid molecular identification of selected microalgal species. <i>Journal of Applied Phycology</i> , 2021, 33, 1685-1694.	2.8	0
9	Complete genome sequences of three newly discovered cacao mild mosaic virus isolates from <i>Theobroma cacao</i> L. in Brazil and Puerto Rico and evidence for recombination. <i>Archives of Virology</i> , 2021, 166, 2027-2031.	2.1	7
10	Complete genome sequence of a previously undescribed monopartite begomovirus and betasatellite infecting <i>Malvastrum coromandelianum</i> in Cambodia. <i>Archives of Virology</i> , 2021, 166, 1789-1793.	2.1	0
11	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. <i>Archives of Virology</i> , 2021, 166, 3513-3566.	2.1	62
12	Phylogeographic and SNPs Analyses of <i>Bemisia tabaci</i> B Mitotype Populations Reveal Only Two of Eight Haplotypes Are Invasive. <i>Biology</i> , 2021, 10, 1048.	2.8	12
13	Cotton Leafroll Dwarf Virus US Genomes Comprise Divergent Subpopulations and Harbor Extensive Variability. <i>Viruses</i> , 2021, 13, 2230.	3.3	14
14	Construction of an Infectious Clone of the Badnavirus Cacao Swollen Shoot Ghana M Virus and Infectivity by Gene Gun- and Agrobacterium-Mediated Inoculation. <i>Frontiers in Agronomy</i> , 2021, 3, .	3.3	1
15	Characterization of the Complete Genome and P0 Protein for a Previously Unreported Genotype of Cotton Leafroll Dwarf Virus, an Introduced Polerovirus in the United States. <i>Plant Disease</i> , 2020, 104, 780-786.	1.4	24
16	Vampirovibrio chlorellavorus draft genome sequence, annotation, and preliminary characterization of pathogenicity determinants. <i>Phycological Research</i> , 2020, 68, 23-29.	1.6	3
17	Exploring the Use of High-Resolution Melting Analysis and Helicase-Dependent Amplification for Discrimination of <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae) Cryptic Species and <i>Trialeurodes vaporariorum</i> . <i>Journal of Economic Entomology</i> , 2020, 113, 2511-2520.	1.8	2
18	Phylogeographical distribution of whitefly <i>Bemisia tabaci</i> (Insecta: Aleyrodidae) mitotypes in Ecuador. <i>Ecosphere</i> , 2020, 11, e03154.	2.2	13

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19	Genetic variability, community structure, and horizontal transfer of endosymbionts among three <i>Bemisia tabaci</i> mitotypes in Pakistan. <i>Ecology and Evolution</i> , 2020, 10, 2928-2943.	1.9	11
20	A Complex of Badnavirus Species Infecting Cacao Reveals Mixed Infections, Extensive Genomic Variability, and Interspecific Recombination. <i>Viruses</i> , 2020, 12, 443.	3.3	19
21	First Report of <i>Cotton leafroll dwarf virus</i> Infecting Upland Cotton ( <i>Gossypium</i> ) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 2020	1.4	21
22	Association between algal productivity and phycosphere composition in an outdoor <i>Chlorella sorokiniana</i> reactor based on multiple longitudinal analyses. <i>Microbial Biotechnology</i> , 2020, 13, 1546-1561.	4.2	17
23	Exploiting somatic piRNAs in <i>Bemisia tabaci</i> enables novel gene silencing through RNA feeding. <i>Life Science Alliance</i> , 2020, 3, e202000731.	2.8	21
24	Invasion of previously unreported dicot plant hosts by chickpea chlorotic dwarf virus in Pakistan. <i>VirusDisease</i> , 2019, 30, 95-100.	2.0	3
25	Nuclear Orthologs Derived from Whole Genome Sequencing Indicate Cryptic Diversity in the <i>Bemisia tabaci</i> (Insecta: Aleyrodidae) Complex of Whiteflies. <i>Diversity</i> , 2019, 11, 151.	1.7	39
26	Host-free biofilm culture of "Candidatus <i>Liberibacter asiaticus</i> ," the bacterium associated with Huanglongbing. <i>Biofilm</i> , 2019, 1, 100005.	3.8	29
27	Chocolate Under Threat from Old and New Cacao Diseases. <i>Phytopathology</i> , 2019, 109, 1331-1343.	2.2	50
28	The infection of its insect vector by bacterial plant pathogen "Candidatus <i>Liberibacter solanacearum</i> " is associated with altered vector physiology. <i>Enzyme and Microbial Technology</i> , 2019, 129, 109358.	3.2	6
29	Demographic Expansion of the Predominant <i>Bemisia tabaci</i> (Gennadius) (Hemiptera: Aleyrodidae) Mitotypes Associated With the Cotton Leaf Curl Virus Epidemic in Pakistan. <i>Annals of the Entomological Society of America</i> , 2019, 112, 265-280.	2.5	19
30	Real-time quantitative detection of <i>Vampirovibrio chlorellavorus</i> , an obligate bacterial pathogen of <i>Chlorella sorokiniana</i> . <i>Journal of Applied Phycology</i> , 2019, 31, 1117-1129.	2.8	13
31	The Previously Unidentified, Divergent Badnavirus Species Cacao red vein-banding virus is Associated with Cacao Swollen Shoot Disease in Nigeria. <i>Plant Disease</i> , 2019, 103, 1302-1308.	1.4	10
32	Association of <i>Vampirovibrio chlorellavorus</i> with decline and death of <i>Chlorella sorokiniana</i> in outdoor reactors. <i>Journal of Applied Phycology</i> , 2019, 31, 1131-1142.	2.8	13
33	Minimal genomic variability in <i>Merremia mosaic virus</i> isolates endemic in <i>Merremia</i> spp and cultivated tomato in Puerto Rico. <i>VirusDisease</i> , 2019, 30, 84-94.	2.0	1
34	Low-phosphate-selected <i>Auxenochlorella protothecoides</i> redirects phosphate to essential pathways while producing more biomass. <i>PLoS ONE</i> , 2018, 13, e0198953.	2.5	3
35	Review of the algal biology program within the National Alliance for Advanced Biofuels and Bioproducts. <i>Algal Research</i> , 2017, 22, 187-215.	4.6	69
36	Molecular characterization of previously elusive badnaviruses associated with symptomatic cacao in the New World. <i>Archives of Virology</i> , 2017, 162, 1363-1371.	2.1	28

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37	Molecular diagnostic development for begomovirus-betasatellite complexes undergoing diversification: A case study. <i>Virus Research</i> , 2017, 241, 29-41.	2.2	16
38	Single-Target and Multiplex Discrimination of Whiteflies (Hemiptera: Aleyrodidae) <i>Bemisia tabaci</i> and <i>Trialeurodes vaporariorum</i> With Modified Priming Oligonucleotide Thermodynamics. <i>Journal of Economic Entomology</i> , 2017, 110, 1821-1830.	1.8	13
39	Colonization and Intrusive Invasion of Potato Psyllid by <i>Candidatus Liberibacter solanacearum</i> . <i>Phytopathology</i> , 2017, 107, 36-49.	2.2	46
40	Review of the cultivation program within the National Alliance for Advanced Biofuels and Bioproducts. <i>Algal Research</i> , 2017, 22, 166-186.	4.6	72
41	Diversity and Distribution of Cryptic Species of the <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae) complex in Pakistan. <i>Journal of Economic Entomology</i> , 2017, 110, 2295-2300.	1.8	27
42	Engineered Disease Resistance in Cotton Using RNA-Interference to Knock down Cotton leaf curl Kokhran virus-Burewala and Cotton leaf curl Multan betasatellite Expression. <i>Viruses</i> , 2017, 9, 257.	3.3	15
43	The proposed new species, cacao red vein virus, and three previously recognized badnavirus species are associated with cacao swollen shoot disease. <i>Virology Journal</i> , 2017, 14, 199.	3.4	14
44	Knock down of Whitefly Gut Gene Expression and Mortality by Orally Delivered Gut Gene-Specific dsRNAs. <i>PLoS ONE</i> , 2017, 12, e0168921.	2.5	52
45	Global Population Structure of a Worldwide Pest and Virus Vector: Genetic Diversity and Population History of the <i>Bemisia tabaci</i> Sibling Species Group. <i>PLoS ONE</i> , 2016, 11, e0165105.	2.5	58
46	Reproduction of the whitefly <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae) B biotype in maize fields ( <i>Zea mays</i> L.) in Brazil. <i>Pest Management Science</i> , 2016, 72, 2181-2187.	3.4	26
47	Complete genome sequence of a new bipartite begomovirus infecting cotton in the Republic of Benin in West Africa. <i>Archives of Virology</i> , 2016, 161, 2329-2333.	2.1	15
48	Localization of <i>Candidatus Liberibacter solanacearum</i> and Evidence for Surface Appendages in the Potato Psyllid Vector. <i>Phytopathology</i> , 2016, 106, 142-154.	2.2	39
49	Complete genome sequence of a new bipartite begomovirus infecting fluted pumpkin ( <i>Telfairia</i> ) Tj ETQq1 1 0.784314 rgBT /Qverlock	2.1	8
50	Functional Anatomy of the Oral Region of the Potato Psyllid (Hemiptera: Psylloidea: Trioziidae). <i>Annals of the Entomological Society of America</i> , 2015, 108, 743-761.	2.5	12
51	Revision of Begomovirus taxonomy based on pairwise sequence comparisons. <i>Archives of Virology</i> , 2015, 160, 1593-1619.	2.1	664
52	Asian Citrus Psyllid Expression Profiles Suggest <i>Candidatus Liberibacter Asiaticus</i> -Mediated Alteration of Adult Nutrition and Metabolism, and of Nymphal Development and Immunity. <i>PLoS ONE</i> , 2015, 10, e0130328.	2.5	85
53	Comparison of Potato and Asian Citrus Psyllid Adult and Nymph Transcriptomes Identified Vector Transcripts with Potential Involvement in Circulative, Propagative <i>Liberibacter</i> Transmission. <i>Pathogens</i> , 2014, 3, 875-907.	2.8	37
54	Viral Metagenomics: Analysis of Begomoviruses by Illumina High-Throughput Sequencing. <i>Viruses</i> , 2014, 6, 1219-1236.	3.3	69

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55	Phylogenetic relationships, recombination analysis, and genetic variability among diverse variants of tomato yellow leaf curl virus in Iran and the Arabian Peninsula: further support for a TYLCV center of diversity. <i>Archives of Virology</i> , 2014, 159, 485-497.	2.1	38
56	Revisiting the classification of curtoviruses based on genome-wide pairwise identity. <i>Archives of Virology</i> , 2014, 159, 1873-1882.	2.1	89
57	Establishment of three new genera in the family Geminiviridae: Becurtovirus, Eragrovirus and Turncurtovirus. <i>Archives of Virology</i> , 2014, 159, 2193-2203.	2.1	218
58	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
59	Genetic diversification of penaeid shrimp infectious myonecrosis virus between Indonesia and Brazil. <i>Virus Research</i> , 2014, 189, 97-105.	2.2	16
60	Population Structure of the Greenhouse Whitefly, <i>Trialeurodes vaporariorum</i> (Westwood), an Invasive Species from the Americas, 60 Years after Invading China. <i>International Journal of Molecular Sciences</i> , 2014, 15, 13514-13528.	4.1	11
61	A genome-wide pairwise-identity-based proposal for the classification of viruses in the genus Mastrevirus (family Geminiviridae). <i>Archives of Virology</i> , 2013, 158, 1411-1424.	2.1	216
62	Molecular characterization of begomoviruses and DNA satellites associated with okra leaf curl disease in Cameroon. <i>Virus Research</i> , 2013, 174, 116-125.	2.2	32
63	Implication of Bemisia tabaci Heat Shock Protein 70 in Begomovirus-Whitefly Interactions. <i>Journal of Virology</i> , 2012, 86, 13241-13252.	3.4	120
64	Rapid Spread of Tomato Yellow Leaf Curl Virus in China Is Aided Differentially by Two Invasive Whiteflies. <i>PLoS ONE</i> , 2012, 7, e34817.	2.5	120
65	Anatomy of Accessory Salivary Glands of the Whitefly Bemisia tabaci (Hemiptera: Aleyrodidae) and Correlations to Begomovirus Transmission. <i>Annals of the Entomological Society of America</i> , 2011, 104, 280-286.	2.5	16
66	Characterization of Rhynchosia yellow mosaic Yucatan virus, a new recombinant begomovirus associated with two fabaceous weeds in Yucatan, Mexico. <i>Archives of Virology</i> , 2010, 155, 1571-1579.	2.1	14
67	Potato Zebra Chip Disease: A Phytopathological Tale. <i>Plant Health Progress</i> , 2010, 11, .	1.4	49
68	Change in the Biotype Composition of Bemisia tabaci in Shandong Province of China From 2005 to 2008. <i>Environmental Entomology</i> , 2010, 39, 1028-1036.	1.4	162
69	Extraordinary Resistance to Insecticides Reveals Exotic Q Biotype of Bemisia tabaci in the New World. <i>Journal of Economic Entomology</i> , 2010, 103, 2174-2186.	1.8	91
70	Systematics of Bemisia and Bemisia Relatives: Can Molecular Techniques Solve the Bemisia tabaci Complex Conundrum – A Taxonomist’s Viewpoint. , 2009, , 5-29.		14
71	Molecular characterization and phylogenetic relationships of Desmodium leaf distortion virus (DeLDV): a new begomovirus infecting Desmodium glabrum in Yucatan, Mexico. <i>Virus Genes</i> , 2009, 39, 371-374.	1.6	7
72	Characterization of Tomato curly stunt virus: a new tomato-infecting begomovirus from South Africa. <i>Plant Pathology</i> , 2008, 57, 809-818.	2.4	11

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73	Phylogenetic relationship of native and introduced <i>Bemisia tabaci</i> (Homoptera: Aleyrodidae) from China and India based on mtCOI DNA sequencing and host plant comparisons. <i>Progress in Natural Science: Materials International</i> , 2007, 17, 645-654.	4.4	36
74	Note: First report of the Q biotype of <i>Bemisia tabaci</i> in Southern Sonora, Mexico. <i>Phytoparasitica</i> , 2007, 35, 282-284.	1.2	53
75	Molecular characterization and phylogenetic relationships of two new bipartite begomovirus infecting malvaceous plants in Yucatan, Mexico. <i>Virus Genes</i> , 2007, 35, 369-377.	1.6	24
76	Preliminary identification and coat protein gene phylogenetic relationships of begomoviruses associated with native flora and cultivated plants from the Yucatan Peninsula of Mexico. <i>Virus Genes</i> , 2007, 35, 825-833.	1.6	13
77	The <i>Bemisia Tabaci</i> Complex: Genetic and Phenotypic Variation and Relevance to TYLCV-Vector Interactions. , 2007, , 25-56.		31
78	Host range, distribution, and natural enemies of <i>Bemisia tabaci</i> "B biotype" (Homoptera: Aleyrodidae) in Turkey. <i>Journal of Pest Science</i> , 2006, 79, 233-240.	3.7	43
79	THE INTRODUCTION OF THE EXOTIC Q BIOTYPE OF <i>BEMISIA TABACI</i> FROM THE MEDITERRANEAN REGION INTO CHINA ON ORNAMENTAL CROPS. <i>Florida Entomologist</i> , 2006, 89, 168-174.	0.5	212
80	Nuclear DNA content of the whitefly <i>Bemisia tabaci</i> (Aleyrodidae: Hemiptera) estimated by flow cytometry. <i>Bulletin of Entomological Research</i> , 2005, 95, 309-312.	1.0	30
81	Molecular Evidence for Five Distinct <i>Bemisia tabaci</i> (Homoptera: Aleyrodidae) Geographic Haplotypes Associated with Cassava Plants in Sub-Saharan Africa. <i>Annals of the Entomological Society of America</i> , 2004, 97, 852-859.	2.5	105
82	Size Limitations in the Filter Chamber and Digestive Tract of Nymphal and Adult <i>Bemisia tabaci</i> Whiteflies (Homoptera: Aleyrodidae). <i>Annals of the Entomological Society of America</i> , 2003, 96, 544-552.	2.5	12
83	Whitefly transmission of plant viruses. <i>Advances in Botanical Research</i> , 2002, , 65-100.	1.1	137
84	Molecular analysis of Cotton leaf curl virus-Sudan reveals an evolutionary history of recombination. <i>Virus Genes</i> , 2002, 24, 249-256.	1.6	41
85	The core region of the coat protein gene is highly useful for establishing the provisional identification and classification of begomoviruses. <i>Archives of Virology</i> , 2001, 146, 1581-1598.	2.1	97
86	Ingestion, transmission, and persistence of Chino del tomate virus (CdTV), a New World begomovirus, by Old and New World biotypes of the whitefly vector <i>Bemisia tabaci</i> . <i>Annals of Applied Biology</i> , 2001, 139, 145-154.	2.5	41
87	The Molecular Epidemiology of Begomoviruses. , 2001, , 279-316.		20
88	Genetic analysis of <i>Bemisia</i> (Homoptera: Aleyrodidae) populations by isoelectric focusing electrophoresis. <i>Biochemical Genetics</i> , 2000, 38, 13-25.	1.7	59
89	Molecular markers for the identification and global tracking of whitefly vector "Begomovirus complexes. <i>Virus Research</i> , 2000, 71, 233-260.	2.2	166
90	Analysis of Morphological Variation in Distinct Populations of <i>Bemisia tabaci</i> (Homoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (	2.5	114

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91	Whitefly-Transmitted Geminiviruses and Associated Disorders in the Americas and the Caribbean Basin. <i>Plant Disease</i> , 1992, 76, 220.	1.4	259
92	Life History Traits of the Whitefly, <i>Bemisia tabaci</i> (Homoptera: Aleyrodidae) on Six Virus-Infected or Healthy Plant Species. <i>Environmental Entomology</i> , 1991, 20, 1102-1107.	1.4	84