

Carmen BÄ¼ttner

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

996
citations

567281

15
h-index

501196

28
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62
all docs

62
docs citations

62
times ranked

1172
citing authors

#	ARTICLE	IF	CITATIONS
1	Arable Weeds at the Edges of Kettle Holes as Overwintering Habitat for Phytopathogenic Fungi. <i>Agronomy</i> , 2022, 12, 823.	3.0	7
2	Electrolytic Disinfection of Irrigation Water for Intensive Crop Production in Greenhouses as Demonstrated on Tomatoes (<i>Solanum lycopersicum</i> Mill). <i>Horticulturae</i> , 2022, 8, 414.	2.8	2
3	Is Pollen Production of Birch Controlled by Genetics and Local Conditions?. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8160.	2.6	9
4	A novel emaravirus comprising five RNA segments is associated with ringspot disease in oak. <i>Archives of Virology</i> , 2021, 166, 987-990.	2.1	15
5	Multivariate Raman mapping for phenotypic characterization in plant tissue sections. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 251, 119418.	3.9	6
6	Towards the Forest Virome: High-Throughput Sequencing Drastically Expands Our Understanding on Virosphere in Temperate Forest Ecosystems. <i>Microorganisms</i> , 2021, 9, 1730.	3.6	15
7	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
8	Characterization of a Novel Emaravirus Affecting Ash Species (<i>Fraxinus</i> spp.) in Europe. <i>Forests</i> , 2021, 12, 1574.	2.1	8
9	Identification of an Emaravirus in a Common Oak (<i>Quercus robur</i> L.) Conservation Seed Orchard in Germany: Implications for Oak Health. <i>Forests</i> , 2020, 11, 1174.	2.1	14
10	Unravelling the virome in birch: RNA-Seq reveals a complex of known and novel viruses. <i>PLoS ONE</i> , 2020, 15, e0221834.	2.5	15
11	Characterisation of a novel Emaravirus identified in mosaic-diseased Eurasian aspen (<i>Populus</i> Tj ETQq1 1 0.784314 rgBT / Ov	2.5	30
12	Next-Generation Sequencing Reveals a Novel Emaravirus in Diseased Maple Trees From a German Urban Forest. <i>Frontiers in Microbiology</i> , 2020, 11, 621179.	3.5	16
13	Determination of the complete genome sequence of European mountain ash ringspot-associated emaravirus from <i>Sorbus intermedia</i> reveals two additional genome segments. <i>Archives of Virology</i> , 2019, 164, 1937-1941.	2.1	32
14	Initial Studies on Cucumber Transcriptome Analysis under Silicon Treatment. <i>Silicon</i> , 2019, 11, 2365-2369.	3.3	9
15	Efficacy of electrolytically-derived disinfectant against dispersal of <i>Fusarium oxysporum</i> and <i>Rhizoctonia solani</i> in hydroponic tomatoes. <i>Scientia Horticulturae</i> , 2018, 234, 116-125.	3.6	8
16	Emerging Plant Viruses in Urban Green: Detection of the Virome in Birch (<i>Betula</i> sp.). <i>Journal of Horticulture</i> , 2018, 05, .	0.3	4
17	Raman Imaging of Plant Cell Walls in Sections of <i>Cucumis sativus</i> . <i>Plants</i> , 2018, 7, 7.	3.5	32
18	A novel badnavirus discovered from <i>Betula</i> sp. affected by birch leaf-roll disease. <i>PLoS ONE</i> , 2018, 13, e0193888.	2.5	19

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19	High genetic diversity at the inter-/intra-host level of <i>Cherry leaf roll virus</i> population associated with the birch leaf-roll disease in Fennoscandia. <i>Scandinavian Journal of Forest Research</i> , 2016, 31, 546-560.	1.4	15
20	Differentiation of <i>Candidatus</i> <i>Phytoplasma cynodontis</i> ™ Based on 16S rRNA and <i>groEL</i> Genes and Identification of a New Subgroup, 16SrXIV-C. <i>Plant Disease</i> , 2015, 99, 1578-1583.	1.4	22
21	Genetic Variability and Phylogeny of European mountain ash ringspot-associated virus RNA3 and RNA4. <i>Forests</i> , 2015, 6, 4072-4087.	2.1	11
22	Binding of RDX to Cell Wall Components of <i>Pinus sylvestris</i> and <i>Picea glauca</i> and Three-Year Mineralisation Study of Tissue-Associated RDX Residues. <i>International Journal of Phytoremediation</i> , 2015, 17, 716-725.	3.1	7
23	Analysis of the Complete Genomes of <i>Acholeplasma brassicae</i> , <i>A. palmae</i> and <i>A. laidlawii</i> and Their Comparison to the Obligate Parasites from <i>Candidatus</i> <i>Phytoplasma</i> '. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2014, 24, 19-36.	1.0	36
24	Complete genome determination and analysis of <i>Acholeplasma oculi</i> strain 19L, highlighting the loss of basic genetic features in the <i>Acholeplasmataceae</i> . <i>BMC Genomics</i> , 2014, 15, 931.	2.8	9
25	Analysis of Expressed Genes of the Bacterium <i>Candidatus</i> <i>Phytoplasma Mali</i> ™ Highlights Key Features of Virulence and Metabolism. <i>PLoS ONE</i> , 2014, 9, e94391.	2.5	29
26	Generation and Analysis of Draft Sequences of <i>Stolbur</i> ' <i>Phytoplasma</i> from Multiple Displacement Amplification Templates. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2014, 24, 1-11.	1.0	32
27	Elevated root retention of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) in coniferous trees. <i>Environmental Science and Pollution Research</i> , 2014, 21, 3733-3743.	5.3	10
28	Kinetics of inactivation and dilution effects on the mass balance of fungal phytopathogens in anaerobic digesters. <i>Journal of Environmental Management</i> , 2014, 133, 116-120.	7.8	2
29	Viability of Plant Pathogenic Fungi Reduced by Anaerobic Digestion. <i>Bioenergy Research</i> , 2013, 6, 966-973.	3.9	12
30	Molecular identification of <i>Trichogramma</i> species from Pakistan, using ITS-2 region of rDNA. <i>BioControl</i> , 2013, 58, 483-491.	2.0	5
31	Complete nucleotide sequence of <i>Cherry leaf roll virus</i> (CLR), a subgroup C nepovirus. <i>Virus Research</i> , 2012, 163, 678-683.	2.2	20
32	Effects of sanitation processes on survival of <i>Synchytrium endobioticum</i> and <i>Globodera rostochiensis</i> . <i>European Journal of Plant Pathology</i> , 2012, 133, 753-763.	1.7	12
33	Potential of <i>Lariophagus distinguendus</i> (Förster) (Hymenoptera: Pteromalidae) to suppress the maize weevil <i>Sitophilus zeamais</i> Motschulsky (Coleoptera: Curculionidae) in bagged and bulk stored maize. <i>Biological Control</i> , 2012, 60, 175-181.	3.0	15
34	A new species of <i>Trichogramma</i> Westwood (Hymenoptera: Trichogrammatidae) closely related to <i>T. chilonis</i> Ishii from Pakistan. <i>Zootaxa</i> , 2011, 2970, 41.	0.5	1
35	Susceptibility of different plant species and tomato cultivars to two isolates of <i>Pepino mosaic virus</i> . <i>European Journal of Plant Pathology</i> , 2011, 129, 579-590.	1.7	9
36	Male <i>Phyllotreta striolata</i> (F.) Produce an Aggregation Pheromone: Identification of Male-specific compounds and Interaction with Host Plant Volatiles. <i>Journal of Chemical Ecology</i> , 2011, 37, 85-97.	1.8	42

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37	Integration of Calneem® oil and parasitoids to control <i>Cadra cautella</i> and <i>Corcyra cephalonica</i> in stored grain cereals. <i>Phytoparasitica</i> , 2011, 39, 223-233.	1.2	10
38	Control of root zone pH is not effective in preventing <i>Pythium aphanidermatum</i> disease in cucumber. <i>Journal of Plant Diseases and Protection</i> , 2010, 117, 244-247.	2.9	1
39	Bio-rational control of red flour beetle <i>Tribolium castaneum</i> (Herbst) (Coleoptera: Tenebrionidae) in stored wheat with Calneem® oil derived from neem seeds. <i>Journal of Pest Science</i> , 2010, 83, 471-479.	3.7	16
40	Impact of <i>Piriformospora indica</i> on tomato growth and on interaction with fungal and viral pathogens. <i>Mycorrhiza</i> , 2010, 20, 191-200.	2.8	193
41	Differentiation of Cherry leaf roll virus isolates from various host plants by immunocapture-reverse transcription-polymerase chain reaction-restriction fragment length polymorphism according to phylogenetic relations. <i>Journal of Virological Methods</i> , 2009, 157, 147-154.	2.1	10
42	Serological marking of <i>Pnigalio agraulis</i> (Hymenoptera: Eulophidae) for field dispersal studies. <i>Journal of Pest Science</i> , 2009, 82, 47-53.	3.7	11
43	A model system for plant-virus interaction – infectivity and seed transmission of Cherry leaf roll virus (CLR) in <i>Arabidopsis thaliana</i> . <i>European Journal of Plant Pathology</i> , 2009, 124, 527-532.	1.7	14
44	Genetic Variability of Phytopathogenic <i>Fusarium proliferatum</i> Associated with Crown Rot in <i>Asparagus officinalis</i> . <i>Journal of Phytopathology</i> , 2009, 157, 446-456.	1.0	32
45	Nanoparticle – Virus Complex Shows Enhanced Immunological Effect Against Baculovirus. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5567-5571.	0.9	6
46	Cherry leaf roll virus – an emerging virus in Finland?. <i>Silva Fennica</i> , 2009, 43, .	1.3	15
47	Cherry leaf roll virus abundant on <i>Betula pubescens</i> in Finland. <i>Silva Fennica</i> , 2007, 41, .	1.3	17
48	Host Species-Dependent Population Structure of a Pollen-Borne Plant Virus, Cherry Leaf Roll Virus. <i>Journal of Virology</i> , 2006, 80, 2453-2462.	3.4	54
49	PART IV: Pathogen Management Through Water Treatment. , 0, , 185-185.		0
50	CHAPTER 13: Filtration and Centrifugation for Detection of Plant Pathogens in Irrigation Water. , 0, , 139-148.		2
51	PART I: Linkages Between Crop Disease and Irrigation Water. , 0, , 1-1.		0
52	PART II: Diversity and Biology of Plant Pathogens in Water. , 0, , 55-55.		0
53	APPENDIX: Partial List of Plant Pathogens Found in Different Water Sources and Crop Production Systems. , 0, , 389-411.		0
54	PART III: Detection Technology and Economic Threshold for Plant Pathogens in Irrigation Water. , 0, , 123-123.		0

#	ARTICLE	IF	CITATIONS
55	PART V: Pathogen Management Through Effective System Design and Best Practices. , 0, , 319-319.		0