

Christian Ulrichs

List of Publications by Year in descending order

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80
papers

2,403
citations

218592

26
h-index

243529

44
g-index

93
all docs

93
docs citations

93
times ranked

2840
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene expression and glucosinolate accumulation in <i>Arabidopsis thaliana</i> in response to generalist and specialist herbivores of different feeding guilds and the role of defense signaling pathways. <i>Phytochemistry</i> , 2006, 67, 2450-2462.	1.4	248
2	UV-B Irradiation Changes Specifically the Secondary Metabolite Profile in Broccoli Sprouts: Induced Signaling Overlaps with Defense Response to Biotic Stressors. <i>Plant and Cell Physiology</i> , 2012, 53, 1546-1560.	1.5	201
3	Water Stress and Aphid Feeding Differentially Influence Metabolite Composition in <i>Arabidopsis thaliana</i> (L.). <i>PLoS ONE</i> , 2012, 7, e48661.	1.1	128
4	<i>Phyllotreta striolata</i> flea beetles use host plant defense compounds to create their own glucosinolate-myrosinase system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7349-7354.	3.3	116
5	Short-term and moderate UV-B radiation effects on secondary plant metabolism in different organs of nasturtium (<i>Tropaeolum majus</i> L.). <i>Innovative Food Science and Emerging Technologies</i> , 2009, 10, 93-96.	2.7	84
6	Influence of water stress on the glucosinolate profile of <i>Brassica oleracea</i> var. <i>italica</i> and the performance of <i>Brevicoryne brassicae</i> and <i>Myzus persicae</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2010, 137, 229-236.	0.7	80
7	Development of a reliable extraction and quantification method for glucosinolates in <i>Moringa oleifera</i> . <i>Food Chemistry</i> , 2015, 166, 456-464.	4.2	63
8	UV-B-mediated flavonoid synthesis in white asparagus (<i>Asparagus officinalis</i> L.). <i>Food Research International</i> , 2012, 48, 196-201.	2.9	62
9	Direct and admixture toxicity of diatomaceous earth and monoterpenoids against the storage pests <i>Callosobruchus maculatus</i> (F.) and <i>Sitophilus oryzae</i> (L.). <i>Journal of Pest Science</i> , 2010, 83, 105-112.	1.9	55
10	Ecotype Variability in Growth and Secondary Metabolite Profile in <i>Moringa oleifera</i> : Impact of Sulfur and Water Availability. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 2852-2861.	2.4	54
11	Cape gooseberry (<i>Physalis peruviana</i> L.) phenology according to the BBCH phenological scale. <i>Scientia Horticulturae</i> , 2013, 162, 39-42.	1.7	52
12	Surface functionalized amorphous nanosilica and microsilica with nanopores as promising tools in biomedicine. <i>Die Naturwissenschaften</i> , 2009, 96, 31-38.	0.6	50
13	Physiological and Anatomical Mechanisms in Wheat to Cope with Salt Stress Induced by Seawater. <i>Plants</i> , 2020, 9, 237.	1.6	47
14	Effects of Phytohormones and Jasmonic Acid on Glucosinolate Content in Hairy Root Cultures of <i>Sinapis alba</i> and <i>Brassica rapa</i> . <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 624-635.	1.4	44
15	Water stress alters aphid-induced glucosinolate response in <i>Brassica oleracea</i> var. <i>italica</i> differently. <i>Chemoecology</i> , 2011, 21, 235-242.	0.6	43
16	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.	0.9	42
17	Single- versus Multiple-Pest Infestation Affects Differently the Biochemistry of Tomato (<i>Solanum</i>) Tj ETQq1 1 0.784314 rgBT /Over 2.4 842	0.784314	842
18	Specific Poly-phenolic Compounds in Cell Culture of <i>Vitis vinifera</i> L. cv. Gamay FrÃ©aux. <i>Applied Biochemistry and Biotechnology</i> , 2011, 164, 148-161.	1.4	38

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19	Ascorbic Acid Induces the Increase of Secondary Metabolites, Antioxidant Activity, Growth, and Productivity of the Common Bean under Water Stress Conditions. <i>Plants</i> , 2020, 9, 627.	1.6	37
20	Structure and distribution of antennal sensilla in the Indianmeal moth, <i>Plodia interpunctella</i> (Hübner, 1813) (Lepidoptera: Pyralidae). <i>Journal of Stored Products Research</i> , 2014, 59, 66-75.	1.2	34
21	Assessment of filtration efficiency and physiological responses of selected plant species to indoor air pollutants (toluene and 2-ethylhexanol) under chamber conditions. <i>Environmental Science and Pollution Research</i> , 2018, 25, 447-458.	2.7	32
22	Factors Influencing the Variability of Antioxidative Phenolic Glycosides in <i>Salix</i> Species. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 8205-8210.	2.4	31
23	Effects of direct-electric-current on secondary plant compounds and antioxidant activity in harvested tomato fruits (<i>Solanum lycopersicon</i> L.). <i>Food Chemistry</i> , 2011, 126, 157-165.	4.2	30
24	Efficacy of diatomaceous earth formulations against <i>Callosobruchus maculatus</i> (F.) (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 relative humidity. <i>Journal of Pest Science</i> , 2014, 87, 285-294.	1.9	29
25	Evaluation of the Entomopathogenic Fungi <i>Metarhizium anisopliae</i> , <i>Beauveria bassiana</i> and <i>Isaria</i> sp. for the Management of <i>Aphis craccivora</i> (Hemiptera: Aphididae). <i>Journal of Economic Entomology</i> , 2018, 111, 1587-1594.	0.8	29
26	Predicting insect distributions from climate and habitat data. <i>BioControl</i> , 2008, 53, 881-894.	0.9	28
27	Mango trees have no distinct phenology: The case of mangoes in the tropics. <i>Scientia Horticulturae</i> , 2014, 168, 258-266.	1.7	28
28	Suitability of Test Chambers for Analyzing Air Pollutant Removal by Plants and Assessing Potential Indoor Air Purification. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	24
29	Influence of intermittent-direct-electric-current (IDC) on phytochemical compounds in garden cress during growth. <i>Food Chemistry</i> , 2012, 131, 239-246.	4.2	23
30	Responses of <i>Arabidopsis thaliana</i> plant lines differing in hydroxylation of aliphatic glucosinolate side chains to feeding of a generalist and specialist caterpillar. <i>Plant Physiology and Biochemistry</i> , 2012, 55, 52-59.	2.8	23
31	Comparison of colorimeter and different portable food-scanners for non-destructive prediction of lycopene content in tomato fruit. <i>Postharvest Biology and Technology</i> , 2020, 167, 111232.	2.9	23
32	Antifeedant activity and toxicity of leaf extracts from <i>Porteresia coarctata</i> Takeoka and their effects on the physiology of <i>Spodoptera litura</i> (F.). <i>Journal of Pest Science</i> , 2008, 81, 79-84.	1.9	22
33	Characterization, mode of action, and efficacy of twelve silica-based acaricides against poultry red mite (<i>Dermanyssus gallinae</i>) in vitro. <i>Parasitology Research</i> , 2014, 113, 3167-3175.	0.6	22
34	Evaluation of the efficacy of <i>Trichogramma evanescens</i> Westwood (Hym., Trichogrammatidae) inundative releases for the control of <i>Maruca vitrata</i> F. (Lep., Pyralidae). <i>Journal of Applied Entomology</i> , 2004, 128, 426-431.	0.8	20
35	Plant responses to ozone: Effects of different ozone exposure durations on plant growth and biochemical quality of <i>Brassica campestris</i> L. ssp. <i>chinensis</i> . <i>Scientia Horticulturae</i> , 2020, 262, 108921.	1.7	20
36	Loss of African Indigenous Leafy Vegetables along the Supply Chain. <i>International Journal of Vegetable Science</i> , 2018, 24, 361-382.	0.6	19

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37	Effects of harvest techniques and drying methods on the stability of glucosinolates in <i>Moringa oleifera</i> leaves during post-harvest. <i>Scientia Horticulturae</i> , 2019, 246, 998-1004.	1.7	19
38	<i>Moringa Oleifera</i> "Establishment and Multiplication of Different Ecotypes In Vitro. <i>Gesunde Pflanzen</i> , 2013, 65, 21-31.	1.7	18
39	Developing Pheromone Traps and Lures for <i>Maruca vitrata</i> in Taiwan. <i>Gesunde Pflanzen</i> , 2012, 64, 183-186.	1.7	17
40	Effects of a special solar collector greenhouse on water balance, fruit quantity and fruit quality of tomatoes. <i>Agricultural Water Management</i> , 2014, 134, 14-23.	2.4	17
41	Potential of Hymenopteran larval and egg parasitoids to control stored-product beetle and moth infestation in jute bags. <i>Bulletin of Entomological Research</i> , 2014, 104, 534-542.	0.5	15
42	THE INFLUENCE OF ARBUSCULAR MYCORRHIZAL COLONIZATION ON THE GROWTH PARAMETERS OF CAPE GOOSEBERRY (<i>Physalis peruviana</i> L.) PLANTS GROWN IN A SALINE SOIL. <i>Journal of Soil Science and Plant Nutrition</i> , 2011, 11, 18-30.	1.7	14
43	Impact of hydroxylated and non-hydroxylated aliphatic glucosinolates in <i>Arabidopsis thaliana</i> crosses on plant resistance against a generalist and a specialist herbivore. <i>Chemoecology</i> , 2011, 21, 171-180.	0.6	14
44	Behavioral responses of <i>Callosobruchus maculatus</i> to volatile organic compounds found in the headspace of dried green pea seeds. <i>Journal of Pest Science</i> , 2016, 89, 107-116.	1.9	14
45	Alternative control of <i>Aethina tumida</i> Murray (Coleoptera: Nitidulidae) with lime and diatomaceous earth. <i>Apidologie</i> , 2009, 40, 535-548.	0.9	13
46	Kettle Holes in the Agrarian Landscape: Isolated and Ecological Unique Habitats for Carabid Beetles (Col.: Carabidae) and Spiders (Arach.: Araneae). <i>Journal of Landscape Ecology (Czech Republic)</i> , 2016, 9, 29-60.	0.2	13
47	The Aggregation Pheromone of <i>Phyllotreta striolata</i> (Coleoptera: Chrysomelidae) Revisited. <i>Journal of Chemical Ecology</i> , 2016, 42, 748-755.	0.9	13
48	Bioefficacy of enhanced diatomaceous earth and botanical powders on the mortality and progeny production of <i>Acanthoscelides obtectus</i> (Coleoptera: Chrysomelidae), <i>Sitophilus granarius</i> (Coleoptera: Dryophthoridae) and <i>Tribolium castaneum</i> (Coleoptera: Tenebrionidae) in stored grain cereals. <i>International Journal of Tropical Insect Science</i> , 2017, 37, 243-258.	0.4	13
49	Response of Glucosinolate and Flavonoid Contents and Composition of <i>Brassica rapa</i> ssp. <i>chinensis</i> (L.) Hanelt to Silica Formulations Used as Insecticides. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 12473-12480.	2.4	12
50	Comparison of Different Greenhouse Systems and Their Impacts on Plant Responses of Tomatoes. <i>Gesunde Pflanzen</i> , 2014, 66, 111-119.	1.7	12
51	Pheromone Blend Analysis and Cross-Attraction among Populations of <i>Maruca vitrata</i> from Asia and West Africa. <i>Journal of Chemical Ecology</i> , 2015, 41, 1155-1162.	0.9	12
52	Metabolic Engineering of Aliphatic Glucosinolates in Hairy Root Cultures of <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology Reporter</i> , 2015, 33, 598-608.	1.0	12
53	Metabolite Profiling Reveals a Specific Response in Tomato to Predaceous <i>Chrysoperla carnea</i> Larvae and Herbivore(s)-Predator Interactions with the Generalist Pests <i>Tetranychus urticae</i> and <i>Myzus persicae</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1256.	1.7	12
54	Insecticidal efficacy of botanical food by-products against selected stored-grain beetles by the combined action with modified diatomaceous earth. <i>Journal of Plant Diseases and Protection</i> , 2017, 124, 255-267.	1.6	12

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55	Predator–parasitoid–host interaction: biological control of <i>Rhyzopertha dominica</i> and <i>Sitophilus oryzae</i> by a combination of <i>Xylocoris flavipes</i> and <i>Theocolax elegans</i> in stored cereals. <i>Entomologia Experimentalis Et Applicata</i> , 2019, 167, 118-128.	0.7	12
56	Serological marking of <i>Pnigalio agraulis</i> (Hymenoptera: Eulophidae) for field dispersal studies. <i>Journal of Pest Science</i> , 2009, 82, 47-53.	1.9	11
57	Toxicity and protectant potential of <i>Piper guineense</i> (Piperaceae) and <i>Senna siamea</i> (Fabaceae) mixed with diatomaceous earth for the management of three major stored product beetle pests. <i>International Journal of Pest Management</i> , 2018, 64, 128-139.	0.9	11
58	Compound-specific responses of phenolic metabolites in the bark of drought-stressed <i>Salix daphnoides</i> and <i>Salix purpurea</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 155, 311-320.	2.8	11
59	A Basic Approach Towards the Development of Bioelectric Bacterial Biosensors for the Detection of Plant Viruses. <i>Journal of Phytopathology</i> , 2012, 160, 106-111.	0.5	10
60	Characteristic single glucosinolates from <i>Moringa oleifera</i> : Induction of detoxifying enzymes and lack of genotoxic activity in various model systems. <i>Food and Function</i> , 2016, 7, 4660-4674.	2.1	10
61	Influence of nutrient supply and elicitors on glucosinolate production in <i>E. sativa</i> hairy root cultures. <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 132, 561-572.	1.2	10
62	Integrated Management of <i>Aphis craccivora</i> in Cowpea Using Intercropping and Entomopathogenic Fungi under Field Conditions. <i>Journal of Fungi</i> (Basel, Switzerland), 2020, 6, 60.	1.5	10
63	<i>Melampsora rust</i> species on biomass willows in central and north-eastern Germany. <i>Fungal Biology</i> , 2014, 118, 910-923.	1.1	9
64	Identification of Salicylates in Willow Bark (<i>Salix Cortex</i>) for Targeting Peripheral Inflammation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11138.	1.8	9
65	Current Status and Future Trends of Nanoscale Technology and Its Impact on Modern Computing, Biology, Medicine and Agricultural Biotechnology. , 2007, , .		8
66	Effect of different durations of moderate ozone exposure on secondary metabolites of <i>Brassica campestris</i> L. ssp. <i>chinensis</i> . <i>Journal of Horticultural Science and Biotechnology</i> , 2021, 96, 110-120.	0.9	8
67	Nano-fabricated Materials in Cancer Treatment and Agri-biotech Applications: Buckyballs in Quantum Holy Grails. <i>IETE Journal of Research</i> , 2006, 52, 339-356.	1.8	7
68	Effectiveness of the egg parasitoid <i>Trichogramma evanescens</i> preventing rice moth from infesting stored bagged commodities. <i>Journal of Stored Products Research</i> , 2015, 61, 102-107.	1.2	7
69	The Effect of Low Light Intensity and Temperature on Growth of <i>Schefflera arboricola</i> in Interior Landscapes. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2007, 42, 65-67.	0.5	7
70	Treatment of rice with diatomaceous earth and effects on the mortality of the Red flour beetle <i>Tribolium castaneum</i> (Herbst). <i>Journal of Pest Science</i> , 2001, 74, 13-16.	0.3	6
71	Nanoparticle–Virus Complex Shows Enhanced Immunological Effect Against Baculovirus. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5567-5571.	0.9	6
72	Efficacy of aqueous and oil formulations of a specific <i>Metarhizium anisopliae</i> isolate against <i>Aphis craccivora</i> Koch, 1854 (Hemiptera: Aphididae) under field conditions. <i>Journal of Applied Entomology</i> , 2019, 143, 1182-1192.	0.8	6

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73	Contents of non-structural carbohydrates in fruiting cape gooseberry (<i>Physalis peruviana</i> L.) plants. <i>Agronomia Colombiana</i> , 2015, 33, 155-163.	0.1	6
74	Management of the poultry red mite, <i>Dermanyssus gallinae</i> , using silica-based acaricides. <i>Experimental and Applied Acarology</i> , 2020, 82, 243-254.	0.7	5
75	Insecticidal Effects of Different Application Techniques for Silica Dusts in Plant Protection on <i>Phaedon cochleariae</i> Fab. and <i>Pieris brassicae</i> L.. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2010, 45, 1349-1356.	0.5	4
76	First detection of a microsporidium in the crucifer pest <i>Hellula undalis</i> (Lepidoptera: Pyralidae) – a possible control agent?. <i>Biological Control</i> , 2003, 26, 202-208.	1.4	3
77	Evaluation of three German enhanced diatomaceous earth formulations for the management of two major storage pests in Ghana. <i>Journal of Stored Products Research</i> , 2022, 96, 101947.	1.2	2
78	Phenolic compound abundance in Pak choi leaves is controlled by salinity and dependent on pH of the leaf apoplast. <i>Plant-Environment Interactions</i> , 2021, 2, 36-44.	0.7	1
79	Bio-insecticidal effectiveness of three formulations of diatomaceous earths against <i>Callosobruchus maculatus</i> (F.) (Coleoptera: Chrysomelidae) in stored cowpea. <i>Journal of Plant Diseases and Protection</i> , 2021, 128, 809-817.	1.6	0
80	The effects of IPM and farmer practices on yield and pesticide residues of pakchoi (<i>Brassica rapa</i> L. cv) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.2	0