Christian Borgemeister

List of Publications by Year in descending order

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121 3,241 28 51 g-index

128 128 128 3653

times ranked

citing authors

docs citations

all docs

#	Article	IF	CITATIONS
1	Temperatureâ€based phenology model of African citrus triozid (<i>Trioza erytreae</i> Del Guercio): Vector of citrus greening disease. Journal of Applied Entomology, 2022, 146, 88-97.	0.8	7
2	Evaluation of GRACE derived groundwater storage changes in different agro-ecological zones of the Indus Basin. Journal of Hydrology, 2022, 605, 127369.	2.3	22
3	Potential toxic effects of aqueous leaf extracts of Calotropis gigantea and Croton laccifera against Aphis craccivora. International Journal of Tropical Insect Science, 2022, 42, 1165.	0.4	1
4	Performance Evaluation and Water Availability of Canal Irrigation Scheme in Punjab Pakistan. Water (Switzerland), 2022, 14, 405.	1.2	5
5	Modeling impact and costâ€effectiveness of drivingâ€Y gene drives for malaria elimination in the Democratic Republic of the Congo. Evolutionary Applications, 2022, 15, 132-148.	1.5	5
6	Farming Practices and Disease Prevalence among Urban Lowland Farmers in Cameroon, Central Africa. Agriculture (Switzerland), 2022, 12, 230.	1.4	1
7	Climateâ€induced range shifts of invasive species (<scp><i>Diaphorina citri</i></scp> Kuwayama). Pest Management Science, 2022, 78, 2534-2549.	1.7	32
8	Declining vulnerability but rising impacts: the trends of climatic disasters in Nepal. Regional Environmental Change, 2022, 22, 1.	1.4	2
9	Farm-planning under risk: An application of decision analysis and portfolio theory for the assessment of crop diversification strategies in horticultural systems. Agricultural Systems, 2022, 199, 103409.	3.2	3
10	Modelâ€based prediction of the potential geographical distribution of the invasive coconut mite, <scp><i>Aceria guerreronis</i></scp> Keifer (Acari: Eriophyidae) based on <scp>MaxEnt</scp> . Agricultural and Forest Entomology, 2022, 24, 390-404.	0.7	14
11	Diarrhoea, malnutrition, and dehydration associated with school water, sanitation, and hygiene in Metro Manila, Philippines: A cross-sectional study. Science of the Total Environment, 2022, 838, 155882.	3.9	8
12	Metrics Assessment and Streamflow Modeling under Changing Climate in a Data-Scarce Heterogeneous Region: A Case Study of the Kabul River Basin. Water (Switzerland), 2022, 14, 1697.	1.2	2
13	Global potential distribution of Oryctes rhinoceros, as predicted by Boosted Regression Tree model. Global Ecology and Conservation, 2022, 37, e02175.	1.0	7
14	Assessing Barriers in Adaptation of Water Management Innovations Under Rotational Canal Water Distribution System. Agriculture (Switzerland), 2022, 12, 913.	1.4	1
15	Assessment of Climate Models Performance and Associated Uncertainties in Rainfall Projection from CORDEX over the Eastern Nile Basin, Ethiopia. Climate, 2022, 10, 95.	1.2	9
16	Homogenization of daily time series climatological data in the Eastern Nile basin, Ethiopia. Theoretical and Applied Climatology, 2021, 143, 737-760.	1.3	6
17	Diversity and phylogenetic analysis of endosymbionts from <i>Trioza erytreae</i> (Del Guercio) and its parasitoids in Kenya. Journal of Applied Entomology, 2021, 145, 104-116.	0.8	7
18	The role of women empowerment and labour dependency on adoption of integrated soil fertility management in Malawi. Soil Use and Management, 2021, 37, 390-402.	2.6	8

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19	Management of the Boll Weevil (Coleoptera: Curculionidae) in the Colombian Caribbean: A Conceptual Model. Journal of Integrated Pest Management, 2021, 12, .	0.9	4
20	Estimating maize lethal necrosis (MLN) severity in Kenya using multispectral high-resolution data. Applied Geomatics, 2021, 13, 389-400.	1.2	4
21	Exploring community knowledge, perception and practices of entomophagy in Kenya. International Journal of Tropical Insect Science, 2021, 41, 2237-2246.	0.4	7
22	Simultaneous circulation of two West Nile virus lineage 2 clades and Bagaza virus in the Zambezi region, Namibia. PLoS Neglected Tropical Diseases, 2021, 15, e0009311.	1.3	15
23	Bioturbation by black soldier fly larvaeâ€"Rapid soil formation with burial of ceramic artifacts. PLoS ONE, 2021, 16, e0252032.	1.1	2
24	Terra Preta Properties in Northwestern Amazonia (Colombia). Sustainability, 2021, 13, 7088.	1.6	2
25	Combined application of the EM-DEA and EX-ACT approaches for integrated assessment of resource use efficiency, sustainability and carbon footprint of smallholder maize production practices in sub-Saharan Africa. Journal of Cleaner Production, 2021, 302, 126132.	4.6	15
26	Diversity, Host Plants and Potential Distribution of Edible Saturniid Caterpillars in Kenya. Insects, 2021, 12, 600.	1.0	10
27	Food insecurity, socio-environmental determinants, and child and adolescent malnutrition and dehydration in Manila, Philippines: A cross-sectional study. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
28	A school-based water, sanitation, and hygiene intervention and children's nutrition status and hydration: a cluster-randomized controlled trial in Manila. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
29	How is organic farming performing agronomically and economically in sub-Saharan Africa?. Global Environmental Change, 2021, 70, 102325.	3.6	8
30	A Molecular Survey of Bacterial Species in the Guts of Black Soldier Fly Larvae (Hermetia illucens) Reared on Two Urban Organic Waste Streams in Kenya. Frontiers in Microbiology, 2021, 12, 687103.	1.5	4
31	Orbiviruses in biting midges and mosquitoes from the Zambezi region, Namibia. Journal of General Virology, 2021, 102, .	1.3	2
32	Protocol for a Trial Assessing the Impacts of School-Based WaSH Interventions on Children's Health Literacy, Handwashing, and Nutrition Status in Low- and Middle-Income Countries. International Journal of Environmental Research and Public Health, 2021, 18, 226.	1.2	7
33	Invasive Alien Plants in Africa and the Potential Emergence of Mosquito-Borne Arboviral Diseases—A Review and Research Outlook. Viruses, 2021, 13, 32.	1.5	8
34	Coupling Remote Sensing and Hydrological Model for Evaluating the Impacts of Climate Change on Streamflow in Data-Scarce Environment. Sustainability, 2021, 13, 14025.	1.6	10
35	Optimizing spatial positioning of traps in the context of integrated pest management. Ecological Complexity, 2020, 41, 100808.	1.4	7
36	Environmental and financial assessment of producing bioenergy from Bambusa balcooa, Anogeissus leiocarpa and Senna siamea in Ghana. Journal of Cleaner Production, 2020, 275, 123147.	4.6	4

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37	Digital soil mapping of nitrogen, phosphorus, potassium, organic carbon and their crop response thresholds in smallholder managed escarpments of Malawi. Applied Geography, 2020, 124, 102299.	1.7	27
38	Towards bamboo agroforestry development in Ghana: evaluation of crop performance, soil properties and economic benefit. Agroforestry Systems, 2020, 94, 1759-1780.	0.9	20
39	Changes of Technosol properties and vegetation structure along a chronosequence of dredged sediment deposition in areas with alluvial gold mining in Colombia. Journal of Soils and Sediments, 2020, 20, 2377-2394.	1.5	6
40	Detection and monitoring of â€ [~] Candidatus â€ [™] Liberibacter spp. vectors: African citrus triozid Trioza erytreae Del Guercio (Hemiptera: Triozidae) and Asian citrus psyllid Diaphorina citri Kuwayama (Hemiptera: Liviidae) in citrus groves in East Africa. Agricultural and Forest Entomology, 2020, 22, 401-409.	0.7	7
41	Decision Support System for Fitting and Mapping Nonlinear Functions with Application to Insect Pest Management in the Biological Control Context. Algorithms, 2020, 13, 104.	1.2	5
42	Analyzing Trend and Variability of Rainfall in The Tafna Basin (Northwestern Algeria). Atmosphere, 2020, 11, 347.	1.0	26
43	Maize production and environmental costs: Resource evaluation and strategic land use planning for food security in northern Ghana by means of coupled emergy and data envelopment analysis. Land Use Policy, 2020, 95, 104490.	2.5	24
44	Channels of collaboration for citizen science and the sustainable development goals. Journal of Cleaner Production, 2020, 264, 121735.	4.6	47
45	Size and shape analysis of <i>Trioza erytreae</i> Del Guercio (Hemiptera: Triozidae), vector of citrus huanglongbing disease. Pest Management Science, 2019, 75, 760-771.	1.7	15
46	The contribution of Regional Centers of Expertise for the implementation of the 2030 Agenda for Sustainable Development. Journal of Cleaner Production, 2019, 237, 117809.	4.6	13
47	Distribution, degree of damage and risk of spread of <i>Trioza erytreae</i> (Hemiptera: Triozidae) in Kenya. Journal of Applied Entomology, 2019, 143, 822-833.	0.8	13
48	Sand Fly–Associated Phlebovirus with Evidence of Neutralizing Antibodies in Humans, Kenya. Emerging Infectious Diseases, 2019, 25, 681-690.	2.0	25
49	Influence of Temperature on Selected Life-History Traits of Black Soldier Fly (Hermetia illucens) Reared on Two Common Urban Organic Waste Streams in Kenya. Animals, 2019, 9, 79.	1.0	43
50	Climate change impact on water- and nitrogen-use efficiencies and yields of maize and sorghum in the northern Benin dry savanna, West Africa. Field Crops Research, 2019, 235, 104-117.	2.3	54
51	The Role of Linked Social-Ecological Systems in a Mobile Agent-Based Ecosystem Service from Giant Honey Bees (Apis dorsata) in an Indigenous Community Forest in Palawan, Philippines. Human Ecology, 2019, 47, 905-915.	0.7	3
52	Soil fertility and biodiversity on organic and conventional smallholder farms in Kenya. Applied Soil Ecology, 2019, 134, 85-97.	2.1	26
53	Host suitability and feeding preference of the African citrus triozid ⟨i>Trioza erytreae⟨li> Del Guercio (Hemiptera: Triozidae), natural vector of "⟨i>Candidatus⟨li> Liberibacter africanus― Journal of Applied Entomology, 2019, 143, 262-270.	0.8	13
54	Health risk perceptions and local knowledge of water-related infectious disease exposure among Kenyan wetland communities. International Journal of Hygiene and Environmental Health, 2019, 222, 34-48.	2.1	40

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55	Ecological changes and local knowledge in a giant honey bee (Apis dorsata F.) hunting community in Palawan, Philippines. Ambio, 2018, 47, 924-934.	2.8	5
56	Interaction Between Chrysocharis flacilla and Diglyphus isaea (Hymenoptera: Eulophidae), Two Parasitoids of Liriomyza Leafminers. Journal of Economic Entomology, 2018, 111, 556-563.	0.8	4
57	Interaction Between Two Leafminer Parasitoids, Halticoptera arduine (Hymenoptera: Pteromalidae) and Diglyphus isaea (Hymenoptera: Eulophidae), in the Management of Liriomyza huidobrensis (Diptera:) Tj ETQq1 1	l 0. 084 314	4 rgBT /Overlo
58	Organic and conventional agriculture in Kenya: A typology of smallholder farms in Kajiado and Murang'a counties. Journal of Rural Studies, 2018, 57, 171-185.	2.1	44
59	Importance of Remotely-Sensed Vegetation Variables for Predicting the Spatial Distribution of African Citrus Triozid (Trioza erytreae) in Kenya. ISPRS International Journal of Geo-Information, 2018, 7, 429.	1.4	23
60	Commercializing traditional non-timber forest products: An integrated value chain analysis of honey from giant honey bees in Palawan, Philippines. Forest Policy and Economics, 2018, 97, 223-231.	1.5	24
61	Assessing land-use typologies and change intensities in a structurally complex Ghanaian cocoa landscape. Applied Geography, 2018, 99, 109-119.	1.7	41
62	Acceptability and Suitability of Three Liriomyza Leafminer Species as Host for the Endoparasitoid Chrysocharis flacilla (Hymenoptera: Eulophidae). Journal of Economic Entomology, 2018, 111, 1137-1143.	0.8	3
63	CROPGRO-Cotton model for determining climate change impacts on yield, water- and N- use efficiencies of cotton in the Dry Savanna of West Africa. Agricultural Systems, 2018, 165, 85-96.	3.2	14
64	Gold mining as a potential driver of development in Colombia: Challenges and opportunities. Journal of Cleaner Production, 2018, 199, 538-553.	4.6	56
65	Acceptability and Suitability of Three Liriomyza Species as Host for the Endoparasitoid Halticoptera arduine (Hymenoptera: Pteromalidae). Environmental Entomology, 2018, 47, 684-691.	0.7	3
66	Advances in crop insect modelling methodsâ€"Towards a whole system approach. Ecological Modelling, 2017, 354, 88-103.	1.2	83
67	Mapping giant honey bee nests in Palawan, Philippines through a transdisciplinary approach. Development in Practice, 2017, 27, 903-912.	0.6	2
68	Detection of Diaphorina citri Kuwayama (Hemiptera: Liviidae) in Kenya and potential implication for the spread of Huanglongbing disease in East Africa. Biological Invasions, 2017, 19, 2777-2787.	1.2	30
69	Thinking beyond Western commercial honeybee hives: towards improved conservation of honey bee diversity. Biodiversity and Conservation, 2017, 26, 3499-3504.	1.2	8
70	A review of ecosystem service benefits from wild bees across social contexts. Ambio, 2017, 46, 456-467.	2.8	33
71	Maize Cropping Systems Mapping Using RapidEye Observations in Agro-Ecological Landscapes in Kenya. Sensors, 2017, 17, 2537.	2.1	22
72	Taxonomy, Ecology, and Management of Native and Exotic Fruit Fly Species in Africa. Annual Review of Entomology, 2016, 61, 219-238.	5.7	120

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73	Future Risks of Pest Species under Changing Climatic Conditions. PLoS ONE, 2016, 11, e0153237.	1.1	71
74	The Invasive American Weed Parthenium hysterophorus Can Negatively Impact Malaria Control in Africa. PLoS ONE, 2015, 10, e0137836.	1.1	34
75	Unpacking Postharvest Losses in Sub-Saharan Africa: A Meta-Analysis. World Development, 2015, 66, 49-68.	2.6	328
76	Population Genetics of Two Key Mosquito Vectors of Rift Valley Fever Virus Reveals New Insights into the Changing Disease Outbreak Patterns in Kenya. PLoS Neglected Tropical Diseases, 2014, 8, e3364.	1.3	31
77	Building Endogenous Capacity for the Management of Neglected Tropical Diseases in Africa: The Pioneering Role of ICIPE. PLoS Neglected Tropical Diseases, 2014, 8, e2687.	1.3	6
78	Plasmodium falciparum Infection Increases Anopheles gambiae Attraction to Nectar Sources and Sugar Uptake. Current Biology, 2014, 24, 217-221.	1.8	55
79	Identification of Methyl Farnesoate from the Hemolymph of Insects. Journal of Natural Products, 2014, 77, 402-405.	1.5	29
80	Development and Assessment of Plant-Based Synthetic Odor Baits for Surveillance and Control of Malaria Vectors. PLoS ONE, 2014, 9, e89818.	1.1	46
81	Common Host-Derived Chemicals Increase Catches of Disease-Transmitting Mosquitoes and Can Improve Early Warning Systems for Rift Valley Fever Virus. PLoS Neglected Tropical Diseases, 2013, 7, e2007.	1.3	43
82	Climate Change or Urbanization? Impacts on a Traditional Coffee Production System in East Africa over the Last 80 Years. PLoS ONE, 2013, 8, e51815.	1.1	59
83	Coffee Berry Borer Joins Bark Beetles in Coffee Klatch. PLoS ONE, 2013, 8, e74277.	1.1	39
84	Some Like It Hot: The Influence and Implications of Climate Change on Coffee Berry Borer (Hypothenemus hampei) and Coffee Production in East Africa. PLoS ONE, 2011, 6, e24528.	1.1	235
85	Ecology: A Prerequisite for Malaria Elimination and Eradication. PLoS Medicine, 2010, 7, e1000303.	3.9	289
86	Temperature-Dependent Development and Emergence Pattern of <l>Hypothenemus hampei</l> (Coleoptera: Curculionidae: Scolytinae) From Coffee Berries. Journal of Economic Entomology, 2010, 103, 1159-1165.	0.8	24
87	Thermal Tolerance of the Coffee Berry Borer Hypothenemus hampei: Predictions of Climate Change Impact on a Tropical Insect Pest. PLoS ONE, 2009, 4, e6487.	1.1	164
88	Development of an improved laboratory production technique for the coffee berry borer <i>Hypothenemus hampei</i> , using fresh coffee berries. Entomologia Experimentalis Et Applicata, 2009, 130, 275-281.	0.7	20
89	Where to sample? Ecological implications of sampling strata in determining abundance and impact of natural enemies of the coffee berry borer, Hypothenemus hampei. Biological Control, 2009, 49, 245-253.	1.4	17
90	Effects of Nitrogen and Potassium Combinations on Yields and Infestations of Maize by & lt; l> Busseola fusca< ll> (Lepidoptera: Noctuidae) in the Humid Forest of Cameroon. Journal of Economic Entomology, 2008, 101, 90-98.	0.8	6

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91	Laboratory investigations on the potential of entomopathogenic fungi for biocontrol ofHelicoverpa armigera(Lepidoptera: Noctuidae) larvae and pupae. Biocontrol Science and Technology, 2007, 17, 853-864.	0.5	37
92	Interactions in the biological control of western flower thrips Frankliniella occidentalis (Pergande) and two-spotted spider mite Tetranychus urticae Koch by the predatory bug Orius insidiosus Say on beans. Biological Control, 2006, 36, 57-64.	1.4	40
93	Simultaneous application of entomopathogenic nematodes and predatory mites to control western flower thrips Frankliniella occidentalis. Biological Control, 2006, 39, 66-74.	1.4	30
94	New bioassay method to assess the pathogenicity of Colombian strains of Metarhizium anisopliae (Metsch.) Sorokin and Paecilomyces sp. (Deuteromycotina: Hyphomycetes) against the subterranean burrower bug Cyrtomenus bergi Froeschner (Hemiptera: Cydnidae). Journal of Invertebrate Pathology, 2006, 91, 57-60.	1.5	8
95	Field superparasitism by Phymastichus coffea, a parasitoid of adult coffee berry borer, Hypothenemus hampei. Entomologia Experimentalis Et Applicata, 2006, 119, 231-237.	0.7	20
96	Role of Inland Valleys in the Management of Stem Borers and Their Natural Enemies in Upland Maize Fields in the Humid Forest Zone of Cameroon. Environmental Entomology, 2006, 35, 282-292.	0.7	11
97	Relationships of soil fertility and stem borers damage to yield in maize-based cropping system in Cameroon. Annales De La Societe Entomologique De France, 2006, 42, 471-479.	0.4	14
98	Time and frequency of applications of entomopathogenic nematodes and their persistence for control of western flower thrips Frankliniella occidentalis. Nematology, 2005, 7, 611-622.	0.2	13
99	Spatio-Temporal Distribution of <i>Ceratothripoides claratris </i> (Thysanoptera: Thripidae) on Tomatoes in Thailand. Environmental Entomology, 2005, 34, 883-890.	0.7	3
100	Effects of Neem and Spinosad on <i>Ceratothripoides claratris</i> (Thysanoptera: Thripidae), an Important Vegetable Pest in Thailand, Under Laboratory and Greenhouse Conditions. Journal of Economic Entomology, 2005, 98, 438-448.	0.8	9
101	Effects of UV-Absorbing Plastic Films on Greenhouse Whitefly (Homoptera: Aleyrodidae). Journal of Economic Entomology, 2005, 98, 1221-1228.	0.8	41
102	Efficacy of entomopathogenic nematodes against western flower thrips Frankliniella occidentalis at different pupation depths. Nematology, 2004, 6, 495-505.	0.2	6
103	Interactions between host plants, the subterranean burrower bug, Cyrtomenus bergi, and the entomopathogenic nematode Heterorhabditis megidis. Nematology, 2004, 6, 633-639.	0.2	2
104	Effects of post-application irrigation and substrate moisture on the efficacy of entomopathogenic nematodes against western flower thrips, Frankliniella occidentalis. Entomologia Experimentalis Et Applicata, 2004, 112, 65-72.	0.7	7
105	Life-table study of Anagrus atomus, an egg parasitoid of the green leafhopper Empoasca decipiens, at four different temperatures. BioControl, 2004, 49, 261-275.	0.9	17
106	Biological control of the larger grain borer Prostephanus truncatus (Horn) (Coleoptera:) Tj ETQq0 0 0 rgBT /Over	lock 10 T1	f 50 147 Td (B 23
100	Biological Control, 2004, 30, 241-255.	1. T	
107	Effects of Neonicotinoid Insecticides on the Bionomics of Twospotted Spider Mite (Acari:) Tj ETQq1 1 0.784314	rgBT/Ove	erlogk 10 Tf 50
108	Searching and Oviposition Behavior of Anagrus atomus L. (Hymenoptera: Mymaridae) on Four Host Plants of Its Host, the Green Leafhopper Empoasca decipiens Paoli (Homoptera: Cicadellidae). Journal of Insect Behavior, 2003, 16, 667-678.	0.4	5

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109	Factors Affecting Infestations of the Stalk Borer <i>Busseola fusca</i> (Lepitoptera: Noctuidae) on Maize in the Forest Zone of Cameroon with Special Reference to Scelionid Egg Parasitoids. Environmental Entomology, 2003, 32, 51-60.	0.7	40
110	Laboratory bioassays of virulence of entomopathogenic nematodes against soil-inhabiting stages of Frankliniella occidentalis Pergande (Thysanoptera: Thripidae). Nematology, 2003, 5, 539-547.	0.2	29
111	An illustrated identification key to four different species of adult Dinoderus (Coleoptera:) Tj ETQq1 1 0.784314 rg	gBT /Overlo	ock 10 Tf 50 19
112	Monitoring and Modeling of Field Infestation and Damage by the Maize Ear Borer <l>Mussidia nigrivenella</l> (Lepidoptera: Pyralidae <l>)</l> in Benin, West Africa. Journal of Economic Entomology, 2000, 93, 650-657.	0.8	28
113	Host Plants and Population Dynamics of the Ear Borer <i>Mussidia nigrivenella</i> (Lepidoptera:) Tj ETQq1 1 0.784	1314 rgBT	/9yerlock 1
114	Spatial Distribution of and Sampling Plans for <i>Mussidia nigrivenella</i> (Lepidoptera: Pyralidae) on Cultivated and Wild Host Plants in Benin. Environmental Entomology, 2000, 29, 1216-1225.	0.7	14
115	Host-Finding Behavior of Dinoderus bifoveolatus (Coleoptera: Bostrichidae), an Important Pest of Stored Cassava: the Role of Plant Volatiles and Odors of Conspecifics. Annals of the Entomological Society of America, 1999, 92, 766-771.	1.3	14
116	Intraspecific competition in larvae of the larger grain borer, Prostephanus truncatus (Horn) within maize grains. International Journal of Tropical Insect Science, 1998, 18, 171-175.	0.4	8
117	Exploitation of a Woody Host Plant and Cerambycid-Associated Volatiles as Host-Finding Cues by the Larger Grain Borer (Coleoptera: Bostrichidae). Annals of the Entomological Society of America, 1998, 91, 741-747.	1.3	25
118	Factors Affecting Pheromone Production and Behavioral Responses by Prostephanus truncatus (Coleoptera: Bostrichidae). Annals of the Entomological Society of America, 1998, 91, 872-878.	1.3	10
119	Establishment, Spread, and Impact of Teretriosoma nigrescens (Coleoptera: Histeridae), an Exotic Predator of the Larger Grain Borer (Coleoptera: Bostrichidae) in Southwestern Benin. Environmental Entomology, 1997, 26, 1405-1415.	0.7	28
120	Ansiedlung, Nahrungsaufnahme und Entwicklung von Aphis fahae an anfÃ#gen und teilresistenten Sorten von Vida faha (Homoptera: Aphididae). Entomologia Generalis, 1988, 13, 207-220.	1.1	7
121	Profitability of farm-scale management strategies against the boll weevil in the tropics: case study from the Colombian Caribbean. Journal of Pest Science, 0, , 1.	1.9	0