

Arthur W Schaafsma

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,762
citations

331259

21
h-index

276539

41
g-index

45
all docs

45
docs citations

45
times ranked

1687
citing authors

#	ARTICLE	IF	CITATIONS
1	Using Weather Variables Pre- and Post-heading to Predict Deoxynivalenol Content in Winter Wheat. <i>Plant Disease</i> , 2002, 86, 611-619.	0.7	197
2	Neonicotinoid Insecticide Residues in Surface Water and Soil Associated with Commercial Maize (Corn) Fields in Southwestern Ontario. <i>PLoS ONE</i> , 2015, 10, e0118139.	1.1	179
3	Climatic models to predict occurrence of <i>Fusarium</i> toxins in wheat and maize. <i>International Journal of Food Microbiology</i> , 2007, 119, 116-125.	2.1	165
4	Modeling effects of environment, insect damage, and Bt genotypes on fumonisin accumulation in maize in Argentina and the Philippines. <i>Mycopathologia</i> , 2005, 159, 539-552.	1.3	114
5	Choosing Organic Pesticides over Synthetic Pesticides May Not Effectively Mitigate Environmental Risk in Soybeans. <i>PLoS ONE</i> , 2010, 5, e11250.	1.1	101
6	Effect of previous crop, tillage, field size, adjacent crop, and sampling direction on airborne propagules of <i>Gibberella zeae</i> / <i>Fusarium graminearum</i> , fusarium head blight severity, and deoxynivalenol accumulation in winter wheat. <i>Canadian Journal of Plant Pathology</i> , 2005, 27, 217-224.	0.8	90
7	Neonicotinoid insecticide residues in soil dust and associated parent soil in fields with a history of seed treatment use on crops in southwestern Ontario. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 303-310.	2.2	70
8	Field-scale examination of neonicotinoid insecticide persistence in soil as a result of seed treatment use in commercial maize (corn) fields in southwestern Ontario. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 295-302.	2.2	62
9	Predation by <i>Coccinella septempunctata</i> and <i>Harmonia axyridis</i> (Coleoptera: Coccinellidae) on <i>Aphis glycines</i> (Homoptera: Aphididae). <i>Environmental Entomology</i> , 2009, 38, 708-714.	0.7	57
10	Effect of Bt-Corn Hybrids on Deoxynivalenol Content in Grain at Harvest. <i>Plant Disease</i> , 2002, 86, 1123-1126.	0.7	55
11	Mycotoxins in fuel ethanol co-products derived from maize: a mass balance for deoxynivalenol. <i>Journal of the Science of Food and Agriculture</i> , 2009, 89, 1574-1580.	1.7	52
12	Evidence for Field-Evolved Resistance of <i>Striacosta albicosta</i> (Lepidoptera: Noctuidae) to Cry1F <i>Bacillus thuringiensis</i> Protein and Transgenic Corn Hybrids in Ontario, Canada. <i>Journal of Economic Entomology</i> , 2017, 110, 2217-2228.	0.8	43
13	Modeling Distribution and Abundance of Soybean Aphid in Soybean Fields Using Measurements From the Surrounding Landscape. <i>Environmental Entomology</i> , 2010, 39, 50-56.	0.7	42
14	Agronomic and environmental impacts on concentrations of deoxynivalenol and fumonisin B ₁ in corn across Ontario. <i>Canadian Journal of Plant Pathology</i> , 2005, 27, 347-356.	0.8	41
15	Concentration and movement of neonicotinoids as particulate matter downwind during agricultural practices using air samplers in southwestern Ontario, Canada. <i>Chemosphere</i> , 2017, 188, 130-138.	4.2	40
16	Use of Transgenic & Bacillus thuringiensis & Berliner Corn Hybrids to Determine the Direct Economic Impact of the European Corn Borer (Lepidoptera: Crambidae) on Field Corn in Eastern Canada. <i>Journal of Economic Entomology</i> , 2002, 95, 57-64.	0.8	33
17	Occurrence of <i>Penicillium verrucosum</i> , ochratoxin A, ochratoxin B and citrinin in on-farm stored winter wheat from the Canadian Great Lakes Region. <i>PLoS ONE</i> , 2017, 12, e0181239.	1.1	32
18	Effect of Prothioconazole Application Timing on <i>Fusarium</i> Mycotoxin Content in Maize Grain. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4809-4819.	2.4	29

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19	A TEMPERATURE-DEPENDENT MODEL OF EGG DEVELOPMENT OF THE WESTERN CORN ROOTWORM, <i>DIABROTICA VIRGIFERA VIRGIFERA</i> LECONTE (COLEOPTERA: CHRYSOMELIDAE). Canadian Entomologist, 1991, 123, 1183-1197.	0.4	28
20	Effect of Seeding Rate and Seed Treatment Fungicides on Agronomic Performance, Fusarium Head Blight Symptoms, and DON Accumulation in Two Winter Wheats. Plant Disease, 2005, 89, 1109-1113.	0.7	28
21	Impact of the improvements in Fusarium head blight and agronomic management on economics of winter wheat. World Mycotoxin Journal, 2020, 13, 423-439.	0.8	25
22	Quantifying Neonicotinoid Insecticide Residues Escaping during Maize Planting with Vacuum Planters. Environmental Science & Technology, 2015, 49, 13003-13011.	4.6	23
23	Mycotoxin accumulation and <i>Fusarium graminearum</i> chemotype diversity in winter wheat grown in southwestern Ontario. Canadian Journal of Plant Science, 2015, 95, 931-938.	0.3	19
24	Indirect selection for lower deoxynivalenol (DON) content in grain in a winter wheat population. Canadian Journal of Plant Science, 2007, 87, 931-936.	0.3	18
25	Fusarium ratings in Ontario winter wheat performance trial (OWWPT) using an index that combines Fusarium head blight symptoms and deoxynivalenol levels. Czech Journal of Genetics and Plant Breeding, 2011, 47, S115-S122.	0.4	17
26	Intraguild predation of the aphid parasitoid <i>Aphelinus certus</i> by <i>Coccinella septempunctata</i> and <i>Harmonia axyridis</i> . BioControl, 2012, 57, 627-634.	0.9	15
27	Impact of the Bt Corn Proteins Cry34/35Ab1 and Cry3Bb1, Alone or Pyramided, on Western Corn Rootworm (Coleoptera: Chrysomelidae) Beetle Emergence in the Field. Journal of Economic Entomology, 2015, 108, 1986-1993.	0.8	15
28	Fumonisin B ₁ accumulation and severity of fusarium ear rot and gibberella ear rot in food-grade corn hybrids in Ontario after inoculation according to two methods. Canadian Journal of Plant Pathology, 2006, 28, 548-557.	0.8	14
29	The role of field dust in pesticide drift when pesticide-treated maize seeds are planted with vacuum type planters. Pest Management Science, 2018, 74, 323-331.	1.7	14
30	Comparison of Six Artificial Diets for Western Corn Rootworm Bioassays and Rearing. Journal of Economic Entomology, 2018, 111, 2727-2733.	0.8	14
31	Fusarium graminearum Mycotoxins in Maize Associated With <i>Striacosta albicosta</i> (Lepidoptera: Tj ETQq1 1 0.784314 rgBT /Overlock	0.8	14
32	<i>Fusarium graminearum</i> populations from maize and wheat in Ontario, Canada. World Mycotoxin Journal, 2020, 13, 355-366.	0.8	14
33	Baseline Susceptibility of <i>Striacosta albicosta</i> (Lepidoptera: Noctuidae) in Ontario, Canada to Vip3A Bacillus thuringiensis Protein. Journal of Economic Entomology, 2018, 111, 65-71.	0.8	13
34	Registration of Winter Wheat Germplasm Line RCATL33 with Fusarium Head Blight Resistance and Reduced Deoxynivalenol Accumulation. Crop Science, 2006, 46, 1399-1400.	0.8	11
35	Increased expression of a cGMP-dependent protein kinase in rotation-adapted western corn rootworm (<i>Diabrotica virgifera virgifera</i> L.). Insect Biochemistry and Molecular Biology, 2008, 38, 697-704.	1.2	11
36	Different quantitative trait loci for Fusarium resistance in wheat seedlings and adult stage in the Wuhan/Nyubai wheat population. Euphytica, 2009, 165, 453-458.	0.6	11

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37	Factors associated with winged forms of soybean aphid and an examination of North American spatial dynamics of this species in the context of migratory behaviour. <i>Agricultural and Forest Entomology</i> , 2014, 16, 240-250.	0.7	11
38	Susceptibility of Different Instars of <i>Striacosta albicosta</i> (Lepidoptera: Noctuidae) to Vip3A, a <i>Bacillus thuringiensis</i> (Bacillaceae: Bacillales) Protein. <i>Journal of Economic Entomology</i> , 2019, 112, 2335-2344.	0.8	9
39	Neonicotinoid insecticide residues in subsurface drainage and open ditch water around maize fields in southwestern Ontario. <i>PLoS ONE</i> , 2019, 14, e0214787.	1.1	8
40	Control Decision Rule for European Chafer (Coleoptera: Scarabaeidae) Larvae in Field Corn. <i>Journal of Economic Entomology</i> , 2006, 99, 76-84.	0.8	7
41	Effect of European Chafer Larvae (Coleoptera: Scarabaeidae) on Winter Wheat and Role of Neonicotinoid Seed Treatments in Their Management. <i>Journal of Economic Entomology</i> , 2015, 108, 566-575.	0.8	7
42	Performance of a model for egg hatching of the western corn rootworm, <i>Diabrotica virgifera virgifera</i> LeConte, using measured and modelled soil temperatures as input. <i>International Journal of Biometeorology</i> , 1993, 37, 11-18.	1.3	6
43	Oviposition site selected by the western corn rootworm (<i>Diabrotica virgifera virgifera</i> Leconte) in southern Ontario strip plots. <i>Canadian Journal of Plant Science</i> , 2005, 85, 949-954.	0.3	4
44	The prevalence of <i>Fusarium</i> spp. colonizing seed corn stalks in southwestern Ontario, Canada. <i>Canadian Journal of Plant Science</i> , 2009, 89, 103-106.	0.3	4
45	Susceptibility and Field Exposure of <i>Striacosta Albicosta</i> (Lepidoptera: Noctuidae) Eggs and Larvae in Ontario, Canada to Four Insecticides. <i>Pest Management Science</i> , 0, , .	1.7	0