

Robert K D Peterson

List of Publications by Year in descending order

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82
papers

1,829
citations

257450

24
h-index

330143

37
g-index

83
all docs

83
docs citations

83
times ranked

1558
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk assessments for the insect repellents DEET and picaridin. <i>Regulatory Toxicology and Pharmacology</i> , 2008, 51, 31-36.	2.7	81
2	Tolerance: the forgotten child of plant resistance. <i>PeerJ</i> , 2017, 5, e3934.	2.0	74
3	Whatever Happened to IPM?. <i>American Entomologist</i> , 2018, 64, 146-150.	0.2	68
4	A Screening Level Approach for Nontarget Insect Risk Assessment: Transgenic Bt Corn Pollen and the Monarch Butterfly (Lepidoptera: Danaidae). <i>Environmental Entomology</i> , 2003, 32, 237-246.	1.4	67
5	On risk and plant-based biopharmaceuticals. <i>Trends in Biotechnology</i> , 2004, 22, 64-66.	9.3	66
6	A Human-Health Risk Assessment for West Nile Virus and Insecticides Used in Mosquito Management. <i>Environmental Health Perspectives</i> , 2006, 114, 366-372.	6.0	65
7	Economic Cost Analysis of West Nile Virus Outbreak, Sacramento County, California, USA, 2005. <i>Emerging Infectious Diseases</i> , 2010, 16, 480-486.	4.3	60
8	Risk analysis for plant-made vaccines. <i>Transgenic Research</i> , 2005, 14, 449-462.	2.4	52
9	Photosynthetic Responses of Alfalfa to Actual and Simulated Alfalfa Weevil (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.4	50
10	Mexican Bean Beetle (Coleoptera: Coccinellidae) Injury Affects Photosynthesis of Glycine max and Phaseolus vulgaris. <i>Environmental Entomology</i> , 1998, 27, 373-381.	1.4	50
11	Mortality Dynamics of Spodoptera frugiperda (Lepidoptera: Noctuidae) Immatures in Maize. <i>PLoS ONE</i> , 2015, 10, e0130437.	2.5	49
12	Oviposition Behavior of the Wheat Stem Sawfly When Encountering Plants Infested With Cryptic Conspecifics. <i>Environmental Entomology</i> , 2009, 38, 1707-1715.	1.4	40
13	Mortality Risk in Insects. <i>Environmental Entomology</i> , 2009, 38, 2-10.	1.4	38
14	Evaluation of Efficacy and Human Health Risk of Aerial Ultra-Low Volume Applications of Pyrethrins and Piperonyl Butoxide for Adult Mosquito Management in Response to West Nile Virus Activity in Sacramento County, California. <i>Journal of the American Mosquito Control Association</i> , 2010, 26, 57-66.	0.7	38
15	Insects, Disease, and Military History. <i>American Entomologist</i> , 1995, 41, 147-161.	0.2	37
16	A comparative ecological risk assessment for herbicides used on spring wheat: the effect of glyphosate when used within a glyphosate-tolerant wheat system. <i>Weed Science</i> , 2004, 52, 834-844.	1.5	37
17	Photosynthetic Responses of Legume Species to Leaf-Mass Consumption Injury. <i>Environmental Entomology</i> , 2004, 33, 450-456.	1.4	35
18	Wheat Stem Sawfly, <i>Cephus cinctus</i> Norton, Impact on Wheat Primary Metabolism: An Ecophysiological Approach. <i>Environmental Entomology</i> , 2005, 34, 719-726.	1.4	33

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19	Photosynthesis and Yield Reductions From Wheat Stem Sawfly (Hymenoptera: Cephidae): Interactions With Wheat Solidness, Water Stress, and Phosphorus Deficiency. <i>Journal of Economic Entomology</i> , 2010, 103, 516-524.	1.8	33
20	Temporal Changes in Soybean Gas Exchange Following Simulated Insect Defoliation. <i>Agronomy Journal</i> , 1996, 88, 550-554.	1.8	32
21	A Multiple Decrement Life Table Reveals That Host Plant Resistance and Parasitism Are Major Causes of Mortality for the Wheat Stem Sawfly. <i>Environmental Entomology</i> , 2015, 44, 1571-1580.	1.4	29
22	The Joint Toxicity of Type I, II, and Nonester Pyrethroid Insecticides. <i>Journal of Economic Entomology</i> , 2012, 105, 85-91.	1.8	26
23	Genetically Engineered Plants, Endangered Species, and Risk: A Temporal and Spatial Exposure Assessment for Karner Blue Butterfly Larvae and Bt Maize Pollen. <i>Risk Analysis</i> , 2006, 26, 845-858.	2.7	25
24	Toxicity and risk of permethrin and naled to non-target insects after adult mosquito management. <i>Ecotoxicology</i> , 2010, 19, 1140-1146.	2.4	25
25	Prospective formulation of environmental risk assessments: Probabilistic screening for Cry1A(b) maize risk to aquatic insects. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 1182-1188.	6.0	25
26	A probabilistic analysis reveals fundamental limitations with the environmental impact quotient and similar systems for rating pesticide risks. <i>PeerJ</i> , 2014, 2, e364.	2.0	25
27	A two-dimensional probabilistic acute human-health risk assessment of insecticide exposure after adult mosquito management. <i>Stochastic Environmental Research and Risk Assessment</i> , 2009, 23, 555-563.	4.0	24
28	The Probabilistic Economic Injury Level: Incorporating Uncertainty into Pest Management Decision-Making. <i>Journal of Economic Entomology</i> , 2003, 96, 536-542.	1.8	23
29	Risk Assessments for Exposure of Deployed Military Personnel to Insecticides and Personal Protective Measures used for Disease-Vector Management. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2007, 70, 1758-1771.	2.3	23
30	Effects of Single and Multiple Applications of Mosquito Insecticides on Nontarget Arthropods. <i>Journal of the American Mosquito Control Association</i> , 2008, 24, 270-280.	0.7	23
31	Deposition and Air Concentrations of Permethrin and Naled Used for Adult Mosquito Management. <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 58, 105-111.	4.1	23
32	Photosynthesis in Wheat at the Grain Filling Stage Is Altered by Larval Wheat Stem Sawfly (Hymenoptera: Cephidae) Injury and Reduced Water Availability. <i>Journal of Entomological Science</i> , 2007, 42, 228-238.	0.3	23
33	Injury by <i>Hyalophora cecropia</i> (Lepidoptera: Saturniidae) and Photosynthetic Responses of Apple and Crabapple. <i>Environmental Entomology</i> , 1996, 25, 416-422.	1.4	21
34	Refinement of weed risk assessments for biofuels using <i>Camelina sativa</i> as a model species. <i>Journal of Applied Ecology</i> , 2011, 48, 989-997.	4.0	21
35	Environmental fate model for ultra-low-volume insecticide applications used for adult mosquito management. <i>Science of the Total Environment</i> , 2012, 438, 72-79.	8.0	20
36	Gas-Exchange Responses of Alfalfa and Soybean Treated with Insecticides. <i>Journal of Economic Entomology</i> , 1999, 92, 954-959.	1.8	19

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37	Environmental concentrations, fate, and risk assessment of pyrethrins and piperonyl butoxide after aerial ultralow-volume applications for adult mosquito management. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 1063-1068.	4.3	19
38	The Influence of Ambient Temperature on the Susceptibility of <i>Aedes aegypti</i> (Diptera: Culicidae) to the Pyrethroid Insecticide Permethrin. <i>Journal of Medical Entomology</i> , 2016, 53, 139-143.	1.8	19
39	Parasitism and the demography of wheat stem sawfly larvae, <i>Cephus cinctus</i> . <i>BioControl</i> , 2011, 56, 831-839.	2.0	18
40	The Probabilistic Economic Injury Level: Incorporating Uncertainty into Pest Management Decision-Making. <i>Journal of Economic Entomology</i> , 2003, 96, 536-542.	1.8	18
41	A Comparative Risk Assessment of Genetically Engineered, Mutagenic, and Conventional Wheat Production Systems. <i>Transgenic Research</i> , 2005, 14, 859-875.	2.4	17
42	A human dietary risk assessment associated with glycoalkaloid responses of potato to Colorado potato beetle defoliation. <i>Food and Chemical Toxicology</i> , 2008, 46, 2837-2840.	3.6	17
43	Glycoalkaloid responses of potato to Colorado potato beetle defoliation. <i>Food and Chemical Toxicology</i> , 2008, 46, 2832-2836.	3.6	17
44	Impact of <i>Diuraphis noxia</i> and <i>Rhopalosiphum padi</i> (Hemiptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Entomology, 2009, 102, 412-421.	1.8	17
45	A refined aquatic ecological risk assessment for a pyrethroid insecticide used for adult mosquito management. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 948-953.	4.3	17
46	Host plant quantitative trait loci affect specific behavioral sequences in oviposition by a stem-mining insect. <i>Theoretical and Applied Genetics</i> , 2017, 130, 187-197.	3.6	17
47	Effect of insecticide formulation and adjuvant combination on agricultural spray drift. <i>PeerJ</i> , 2019, 7, e7136.	2.0	17
48	Characterization of the Impact of Wheat Stem Sawfly, <i>Cephus cinctus</i> Norton, on Pigment Composition and Photosystem II Photochemistry of Wheat Heads. <i>Environmental Entomology</i> , 2006, 35, 1115-1120.	1.4	14
49	Regional ecological risk assessment for the introduction of <i>Gambusia affinis</i> (western mosquitofish) into Montana watersheds. <i>Biological Invasions</i> , 2008, 10, 1277-1287.	2.4	14
50	Yield Responses of Alfalfa to Simulated Alfalfa Weevil Injury and Development of Economic Injury Levels. <i>Agronomy Journal</i> , 1993, 85, 595-601.	1.8	13
51	Human Health Risks from Cockroaches and Cockroach Management: A Risk Analysis Approach. <i>American Entomologist</i> , 1999, 45, 142-148.	0.2	13
52	Growth Inhibition of Dalmatian Toadflax, <i>Linaria dalmatica</i> (L.) Miller, in Response to Herbivory by the Biological Control Agent <i>Mecinus janthinus</i> Germar. <i>Journal of Entomological Science</i> , 2011, 46, 232-246.	0.3	12
53	Equine Risk Assessment for Insecticides Used in Adult Mosquito Management. <i>Human and Ecological Risk Assessment (HERA)</i> , 2008, 14, 392-407.	3.4	11
54	Acute Toxicity of Permethrin, Deltamethrin, and Etofenprox to the Alfalfa Leafcutting Bee. <i>Journal of Economic Entomology</i> , 2018, 111, 1001-1005.	1.8	11

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55	Communicating Pesticide Risks. <i>American Entomologist</i> , 1993, 39, 206-211.	0.2	10
56	Relating Degree-°C-Day Accumulations to Calendar Dates: Alfalfa Weevil (Coleoptera: Curculionidae) Egg Hatch in the North Central United States. <i>Environmental Entomology</i> , 1995, 24, 1404-1407.	1.4	10
57	An ecological risk assessment for insecticides used in adult mosquito management. <i>Integrated Environmental Assessment and Management</i> , 2007, 3, 373-82.	2.9	10
58	Alfalfa Consumption by Adult Clover Leaf Weevil (Coleoptera: Curculionidae) and Development of Injury Equivalents for Stubble Defoliators. <i>Journal of Economic Entomology</i> , 1995, 88, 1441-1444.	1.8	9
59	Photosynthetic Responses of Wheat, <i>Triticum aestivum</i> L., Plants to Simulated Insect Defoliation During Vegetative Growth and at Grain Fill. <i>Environmental Entomology</i> , 2006, 35, 1702-1709.	1.4	9
60	Assessing Risk of Unintended Antigen Occurrence in Food: A Case Instance for Maize-Expressed LT-B. <i>Human and Ecological Risk Assessment (HERA)</i> , 2006, 12, 856-870.	3.4	9
61	A Probabilistic Risk Assessment for Deployed Military Personnel After the Implementation of the "Leishmaniasis Control Program" at Tallil Air Base, Iraq. <i>Journal of Medical Entomology</i> , 2009, 46, 693-702.	1.8	9
62	Bystander Exposure to Ultra-Low-Volume Insecticide Applications Used for Adult Mosquito Management. <i>International Journal of Environmental Research and Public Health</i> , 2011, 8, 2142-2152.	2.6	9
63	Assessing Risks of Plant-Based Pharmaceuticals: I. Human Dietary Exposure. <i>Human and Ecological Risk Assessment (HERA)</i> , 2008, 14, 179-193.	3.4	8
64	The Real Enemy: Scrub Typhus and the Invasion of Sansapor. <i>American Entomologist</i> , 2009, 55, 91-94.	0.2	7
65	M-DEC: A spreadsheet program for producing multiple decrement life tables and estimating mortality dynamics for insects. <i>Computers and Electronics in Agriculture</i> , 2011, 75, 363-367.	7.7	7
66	Determinants of acute mortality of <i>Hippodamia convergens</i> (Coleoptera: Coccinellidae) to ultra-low volume permethrin used for mosquito management. <i>PeerJ</i> , 2016, 4, e2167.	2.0	7
67	Assessing Risks of Plant-Based Pharmaceuticals: II. Non-Target Organism Exposure. <i>Human and Ecological Risk Assessment (HERA)</i> , 2008, 14, 194-204.	3.4	6
68	Seasonal Patterns of Leaf Photosynthesis after Insect Herbivory on Common Milkweed, <i>Asclepias syriaca</i> : Reflection of a Physiological Cost of Reproduction, not Defense?. <i>American Midland Naturalist</i> , 2009, 162, 224-238.	0.4	6
69	Net Risk: A Risk Assessment of Long-Lasting Insecticide Bed Nets Used for Malaria Management. <i>American Journal of Tropical Medicine and Hygiene</i> , 2011, 84, 951-956.	1.4	6
70	The Mosquito Ultra-Low Volume Dispersion Model for Estimating Environmental Concentrations of Insecticides Used for Adult Mosquito Management. <i>Journal of the American Mosquito Control Association</i> , 2014, 30, 223-227.	0.7	5
71	Multiple decrement life tables of <i>Cephus cinctus</i> Norton (Hymenoptera: Cephidae) across a set of barley cultivars: The importance of plant defense versus cannibalism. <i>PLoS ONE</i> , 2020, 15, e0238527.	2.5	5
72	Risk Assessment for the Establishment of <i>Vespa mandarinia</i> (Hymenoptera: Vespidae) in the Pacific Northwest, United States. <i>Journal of Insect Science</i> , 2021, 21, .	1.5	5

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73	Early Intervention Strategies for Invasive Species Management: Connections Between Risk Assessment, Prevention Efforts, Eradication, and Other Rapid Responses. , 2021, , 111-131.		5
74	Alfalfa Development after Simulated Alfalfa Weevil Injury. <i>Agronomy Journal</i> , 1992, 84, 988-993.	1.8	5
75	Larval mosquito management and risk to aquatic ecosystems: A comparative approach including current tactics and gene-drive <i>Anopheles</i> techniques. <i>Transgenic Research</i> , 2022, 31, 489-504.	2.4	5
76	Limitations of the Entomological Operational Risk Assessment Using Probabilistic and Deterministic Analyses. <i>Military Medicine</i> , 2010, 175, 594-598.	0.8	4
77	Effects of sucrose supplementation and generation on lifeâ€history traits of <i>Bracon cephi</i> and <i>Bracon lissogaster</i> , parasitoids of the wheat stem sawfly. <i>Physiological Entomology</i> , 2019, 44, 266-274.	1.5	4
78	A quantitative approach for integrating multiple lines of evidence for the evaluation of environmental health risks. <i>PeerJ</i> , 2015, 3, e730.	2.0	4
79	Effect of Precipitation and Temperature on Larval Survival of <i>Cephus cinctus</i> (Hymenoptera: Cephidae) in Barley Cultivars. <i>Journal of Economic Entomology</i> , 2020, 113, 1982-1989.	1.8	2
80	Do patterns of insect mortality in temperate and tropical zones have broader implications for insect ecology and pest management?. <i>PeerJ</i> , 2022, 10, e13340.	2.0	2
81	Reply:. <i>Environmental Entomology</i> , 2011, 40, 1344-1344.	1.4	0
82	<i>Vanessa cardui</i> (Lepidoptera: Nymphalidae). <i>American Entomologist</i> , 2013, 59, 58-58.	0.2	0