Robert K D Peterson

List of Publications by Year
in descending order

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	Do patterns of insect mortality in temperate and tropical zones have broader implications for insect ecology and pest management?. PeerJ, 2022, 10, e13340.	2.0	2
2	Larval mosquito management and risk to aquatic ecosystems: A comparative approach including current tactics and gene-drive Anopheles techniques. Transgenic Research, 2022, 31, 489-504.	2.4	5
3	Risk Assessment for the Establishment of Vespa mandarinia (Hymenoptera: Vespidae) in the Pacific Northwest, United States. Journal of Insect Science, 2021, 21, .	1.5	5
4	Early Intervention Strategies for Invasive Species Management: Connections Between Risk Assessment, Prevention Efforts, Eradication, and Other Rapid Responses. , 2021, , 111-131.		5
5	Multiple decrement life tables of Cephus cinctus Norton (Hymenoptera: Cephidae) across a set of barley cultivars: The importance of plant defense versus cannibalism. PLoS ONE, 2020, 15, e0238527.	2.5	5
6	Effect of Precipitation and Temperature on Larval Survival of Cephus cinctus (Hymenoptera: Cephidae) in Barley Cultivars. Journal of Economic Entomology, 2020, 113, 1982-1989.	1.8	2
7	Effects of sucrose supplementation and generation on lifeâ€history traits of Bracon cephi and Bracon lissogaster , parasitoids of the wheat stem sawfly. Physiological Entomology, 2019, 44, 266-274.	1.5	4
8	Effect of insecticide formulation and adjuvant combination on agricultural spray drift. PeerJ, 2019, 7, e7136.	2.0	17
9	Acute Toxicity of Permethrin, Deltamethrin, and Etofenprox to the Alfalfa Leafcutting Bee. Journal of Economic Entomology, 2018, 111, 1001-1005.	1.8	11
10	Whatever Happened to IPM?. American Entomologist, 2018, 64, 146-150.	0.2	68
11	Host plant quantitative trait loci affect specific behavioral sequences in oviposition by a stem-mining insect. Theoretical and Applied Genetics, 2017, 130, 187-197.	3.6	17
12	Tolerance: the forgotten child of plant resistance. PeerJ, 2017, 5, e3934.	2.0	74
13	The Influence of Ambient Temperature on the Susceptibility ofAedes aegypti(Diptera: Culicidae) to the Pyrethroid Insecticide Permethrin. Journal of Medical Entomology, 2016, 53, 139-143.	1.8	19
14	Determinants of acute mortality ofHippodamia convergens(Coleoptera: Coccinellidae) to ultra-low volume permethrin used for mosquito management. PeerJ, 2016, 4, e2167.	2.0	7
15	Mortality Dynamics of Spodoptera frugiperda (Lepidoptera: Noctuidae) Immatures in Maize. PLoS ONE, 2015, 10, e0130437.	2.5	49
16	A Multiple Decrement Life Table Reveals That Host Plant Resistance and Parasitism Are Major Causes of Mortality for the Wheat Stem Sawfly. Environmental Entomology, 2015, 44, 1571-1580.	1.4	29
17	A quantitative approach for integrating multiple lines of evidence for the evaluation of environmental health risks. PeerJ, 2015, 3, e730.	2.0	4
18	The Mosquito Ultra-Low Volume Dispersion Model for Estimating Environmental Concentrations of Insecticides Used for Adult Mosquito Management. Journal of the American Mosquito Control Association, 2014, 30, 223-227.	0.7	5

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19	A probabilistic analysis reveals fundamental limitations with the environmental impact quotient and similar systems for rating pesticide risks. PeerJ, 2014, 2, e364.	2.0	25
20	A refined aquatic ecological risk assessment for a pyrethroid insecticide used for adult mosquito management. Environmental Toxicology and Chemistry, 2013, 32, 948-953.	4.3	17
21	Vanessa cardui (Lepidoptera: Nymphalidae). American Entomologist, 2013, 59, 58-58.	0.2	0
22	The Joint Toxicity of Type I, II, and Nonester Pyrethroid Insecticides. Journal of Economic Entomology, 2012, 105, 85-91.	1.8	26
23	Environmental fate model for ultra-low-volume insecticide applications used for adult mosquito management. Science of the Total Environment, 2012, 438, 72-79.	8.0	20
24	Bystander Exposure to Ultra-Low-Volume Insecticide Applications Used for Adult Mosquito Management. International Journal of Environmental Research and Public Health, 2011, 8, 2142-2152.	2.6	9
25	Growth Inhibition of Dalmatian Toadflax, Linaria dalmatica (L.) Miller, in Response to Herbivory by the Biological Control Agent Mecinus janthinus Germar. Journal of Entomological Science, 2011, 46, 232-246.	0.3	12
26	Refinement of weed risk assessments for biofuels using Camelina sativa as a model species. Journal of Applied Ecology, 2011, 48, 989-997.	4.0	21
27	M-DEC: A spreadsheet program for producing multiple decrement life tables and estimating mortality dynamics for insects. Computers and Electronics in Agriculture, 2011, 75, 363-367.	7.7	7
28	Parasitism and the demography of wheat stem sawfly larvae, Cephus cinctus. BioControl, 2011, 56, 831-839.	2.0	18
29	Reply:. Environmental Entomology, 2011, 40, 1344-1344.	1.4	0
30	Net Risk: A Risk Assessment of Long-Lasting Insecticide Bed Nets Used for Malaria Management. American Journal of Tropical Medicine and Hygiene, 2011, 84, 951-956.	1.4	6
31	Deposition and Air Concentrations of Permethrin and Naled Used for Adult Mosquito Management. Archives of Environmental Contamination and Toxicology, 2010, 58, 105-111.	4.1	23
32	Toxicity and risk of permethrin and naled to non-target insects after adult mosquito management. Ecotoxicology, 2010, 19, 1140-1146.	2.4	25
33	Limitations of the Entomological Operational Risk Assessment Using Probabilistic and Deterministic Analyses. Military Medicine, 2010, 175, 594-598.	0.8	4
34	Photosynthesis and Yield Reductions From Wheat Stem Sawfly (Hymenoptera: Cephidae): Interactions With Wheat Solidness, Water Stress, and Phosphorus Deficiency. Journal of Economic Entomology, 2010, 103, 516-524.	1.8	33
35	Economic Cost Analysis of West Nile Virus Outbreak, Sacramento County, California, USA, 2005. Emerging Infectious Diseases, 2010, 16, 480-486.	4.3	60
36	Prospective formulation of environmental risk assessments: Probabilistic screening for Cry1A(b) maize risk to aquatic insects. Ecotoxicology and Environmental Safety, 2010, 73, 1182-1188.	6.0	25

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37	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. Journal of the American Mosquito Control Association, 2010, 26, 57-66.	0.7	38
38	The Real Enemy: Scrub Typhus and the Invasion of Sansapor. American Entomologist, 2009, 55, 91-94.	0.2	7
39	Mortality Risk in Insects. Environmental Entomology, 2009, 38, 2-10.	1.4	38
40	A Probabilistic Risk Assessment for Deployed Military Personnel After the Implementation of the "Leishmaniasis Control Program" at Tallil Air Base, Iraq. Journal of Medical Entomology, 2009, 46, 693-702.	1.8	9
41	Oviposition Behavior of the Wheat Stem Sawfly When Encountering Plants Infested With Cryptic Conspecifics. Environmental Entomology, 2009, 38, 1707-1715.	1.4	40
42	Impact of <I>Diuraphis noxia</I> and <I>Rhopalosiphum padi</I> (Hemiptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Entomology, 2009, 102, 412-421.	1.8	17
43	A two-dimensional probabilistic acute human-health risk assessment of insecticide exposure after adult mosquito management. Stochastic Environmental Research and Risk Assessment, 2009, 23, 555-563.	4.0	24
44	Seasonal Patterns of Leaf Photosynthesis after Insect Herbivory on Common Milkweed, Asclepias syriaca: Reflection of a Physiological Cost of Reproduction, not Defense?. American Midland Naturalist, 2009, 162, 224-238.	0.4	6
45	Regional ecological risk assessment for the introduction of Gambusia affinis (western mosquitofish) into Montana watersheds. Biological Invasions, 2008, 10, 1277-1287.	2.4	14
46	Environmental concentrations, fate, and risk assessment of pyrethrins and piperonyl butoxide after aerial ultralowâ€volume applications for adult mosquito management. Environmental Toxicology and Chemistry, 2008, 27, 1063-1068.	4.3	19
47	Risk assessments for the insect repellents DEET and picaridin. Regulatory Toxicology and Pharmacology, 2008, 51, 31-36.	2.7	81
48	A human dietary risk assessment associated with glycoalkaloid responses of potato to Colorado potato beetle defoliation. Food and Chemical Toxicology, 2008, 46, 2837-2840.	3.6	17
49	Glycoalkaloid responses of potato to Colorado potato beetle defoliation. Food and Chemical Toxicology, 2008, 46, 2832-2836.	3.6	17
50	Assessing Risks of Plant-Based Pharmaceuticals: I. Human Dietary Exposure. Human and Ecological Risk Assessment (HERA), 2008, 14, 179-193.	3.4	8
51	Assessing Risks of Plant-Based Pharmaceuticals: II. Non-Target Organism Exposure. Human and Ecological Risk Assessment (HERA), 2008, 14, 194-204.	3.4	6
52	Effects of Single and Multiple Applications of Mosquito Insecticides on Nontarget Arthropods. Journal of the American Mosquito Control Association, 2008, 24, 270-280.	0.7	23
53	Equine Risk Assessment for Insecticides Used in Adult Mosquito Management. Human and Ecological Risk Assessment (HERA), 2008, 14, 392-407.	3.4	11
54	Risk Assessments for Exposure of Deployed Military Personnel to Insecticides and Personal Protective Measures used for Disease-Vector Management. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2007, 70, 1758-1771.	2.3	23

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55	Photosynthesis in Wheat at the Grain Filling Stage Is Altered by Larval Wheat Stem Sawfly (Hymenoptera: Cephidae) Injury and Reduced Water Availability. Journal of Entomological Science, 2007, 42, 228-238.	0.3	23
56	An ecological risk assessment for insecticides used in adult mosquito management. Integrated Environmental Assessment and Management, 2007, 3, 373-82.	2.9	10
57	Genetically Engineered Plants, Endangered Species, and Risk: A Temporal and Spatial Exposure Assessment for Karner Blue Butterfly Larvae and Bt Maize Pollen. Risk Analysis, 2006, 26, 845-858.	2.7	25
58	Photosynthetic Responses of Wheat, <I>Triticum aestivum</I> L., Plants to Simulated Insect Defoliation During Vegetative Growth and at Grain Fill. Environmental Entomology, 2006, 35, 1702-1709.	1.4	9
59	Characterization of the Impact of Wheat Stem Sawfly,Cephus cinctusNorton, on Pigment Composition and Photosystem Ii Photochemistry of Wheat Heads. Environmental Entomology, 2006, 35, 1115-1120.	1.4	14
60	A Human-Health Risk Assessment for West Nile Virus and Insecticides Used in Mosquito Management. Environmental Health Perspectives, 2006, 114, 366-372.	6.0	65
61	Assessing Risk of Unintended Antigen Occurrence in Food: A Case Instance for Maize-Expressed LT-B. Human and Ecological Risk Assessment (HERA), 2006, 12, 856-870.	3.4	9
62	A Comparative Risk Assessment of Genetically Engineered, Mutagenic, and Conventional Wheat Production Systems. Transgenic Research, 2005, 14, 859-875.	2.4	17
63	Risk analysis for plant-made vaccines. Transgenic Research, 2005, 14, 449-462.	2.4	52
64	Wheat Stem Sawfly,Cephus cinctusNorton, Impact on Wheat Primary Metabolism: An Ecophysiological Approach. Environmental Entomology, 2005, 34, 719-726.	1.4	33
65	Photosynthetic Responses of Legume Species to Leaf-Mass Consumption Injury. Environmental Entomology, 2004, 33, 450-456.	1.4	35
66	On risk and plant-based biopharmaceuticals. Trends in Biotechnology, 2004, 22, 64-66.	9.3	66
67	A comparative ecological risk assessment for herbicides used on spring wheat: the effect of glyphosate when used within a glyphosate-tolerant wheat system. Weed Science, 2004, 52, 834-844.	1.5	37
68	A Screening Level Approach for Nontarget Insect Risk Assessment: Transgenic Bt Corn Pollen and the Monarch Butterfly (Lepidoptera: Danaidae). Environmental Entomology, 2003, 32, 237-246.	1.4	67
69	The Probabilistic Economic Injury Level: Incorporating Uncertainty into Pest Management Decision-Making. Journal of Economic Entomology, 2003, 96, 536-542.	1.8	23
70	The Probabilistic Economic Injury Level: Incorporating Uncertainty into Pest Management Decision-Making. Journal of Economic Entomology, 2003, 96, 536-542.	1.8	18
71	Human Health Risks from Cockroaches and Cockroach Management: A Risk Analysis Approach. American Entomologist, 1999, 45, 142-148.	0.2	13
72	Gas-Exchange Responses of Alfalfa and Soybean Treated with Insecticides. Journal of Economic Entomology, 1999, 92, 954-959.	1.8	19

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73	Mexican Bean Beetle (Coleoptera: Coccinellidae) Injury Affects Photosynthesis of Glycine max and Phaseolus vulgaris. Environmental Entomology, 1998, 27, 373-381.	1.4	50
74	Temporal Changes in Soybean Gas Exchange Following Simulated Insect Defoliation. Agronomy Journal, 1996, 88, 550-554.	1.8	32
75	Injury by Hyalaphora cecropia (Lepidoptera: Saturniidae) and Photosynthetic Responses of Apple and Crabapple. Environmental Entomology, 1996, 25, 416-422.	1.4	21
76	Relating Degreeâ€“Day Accmuulations to Calendar Dates: Alfalfa Weevil (Coleoptera: Curculionidae) Egg Hatch in the North Central United States. Environmental Entomology, 1995, 24, 1404-1407.	1.4	10
77	Alfalfa Consumption by Adult Clover Leaf Weevil (Coleoptera: Curculionidae) and Development of Injury Equivalents for Stubble Defoliators. Journal of Economic Entomology, 1995, 88, 1441-1444.	1.8	9
78	Insects, Disease, and Military History. American Entomologist, 1995, 41, 147-161.	0.2	37
79	Communicating Pesticide Risks. American Entomologist, 1993, 39, 206-211.	0.2	10
80	Yield Responses of Alfalfa to Simulated Alfalfa Weevil Injury and Development of Economic Injury Levels. Agronomy Journal, 1993, 85, 595-601.	1.8	13
81	Photosynthetic Responses of Alfalfa to Actual and Simulated Alfalfa Weevil (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.4	50
82	Alfalfa Development after Simulated Alfalfa Weevil Injury. Agronomy Journal, 1992, 84, 988-993.	1.8	5