

Kelli Hoover

List of Publications by Year in descending order

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104
papers

4,862
citations

94433

37
h-index

106344

65
g-index

104
all docs

104
docs citations

104
times ranked

4593
citing authors

#	ARTICLE	IF	CITATIONS
1	Herbivore exploits orally secreted bacteria to suppress plant defenses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15728-15733.	7.1	386
2	Lignin degradation in wood-feeding insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12932-12937.	7.1	279
3	Genome of the Asian longhorned beetle (<i>Anoplophora glabripennis</i>), a globally significant invasive species, reveals key functional and evolutionary innovations at the beetle–plant interface. <i>Genome Biology</i> , 2016, 17, 227.	8.8	244
4	Plant-mediated effects in insect–pathogen interactions. <i>Trends in Ecology and Evolution</i> , 2006, 21, 278-286.	8.7	233
5	A Gene for an Extended Phenotype. <i>Science</i> , 2011, 333, 1401-1401.	12.6	185
6	Methyl Jasmonate Application Induces Increased Densities of Glandular Trichomes on Tomato, <i>Lycopersicon esculentum</i> . <i>Journal of Chemical Ecology</i> , 2005, 31, 2211-2216.	1.8	175
7	Impact of chemical elicitor applications on greenhouse tomato plants and population growth of the green peach aphid, <i>Myzus persicae</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2006, 120, 175-188.	1.4	133
8	Metagenomic Profiling Reveals Lignocellulose Degrading System in a Microbial Community Associated with a Wood-Feeding Beetle. <i>PLoS ONE</i> , 2013, 8, e73827.	2.5	125
9	Cross-species transmission of honey bee viruses in associated arthropods. <i>Virus Research</i> , 2013, 176, 232-240.	2.2	120
10	Fall Armyworm-Associated Gut Bacteria Modulate Plant Defense Responses. <i>Molecular Plant-Microbe Interactions</i> , 2017, 30, 127-137.	2.6	119
11	Asian Longhorned Beetle (Coleoptera: Cerambycidae), an Introduced Pest of Maple and Other Hardwood Trees in North America and Europe. <i>Journal of Integrated Pest Management</i> , 2015, 6, .	2.0	100
12	Midgut-based resistance of <i>Heliothis virescens</i> to baculovirus infection mediated by phytochemicals in cotton. <i>Journal of Insect Physiology</i> , 2000, 46, 999-1007.	2.0	99
13	Host plant and population source drive diversity of microbial gut communities in two polyphagous insects. <i>Scientific Reports</i> , 2019, 9, 2792.	3.3	97
14	Functional genomics and microbiome profiling of the Asian longhorned beetle (<i>Anoplophora</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 beetles. <i>BMC Genomics</i> , 2014, 15, 1096.	2.8	93
15	<i>Helicoverpa zea</i> gut-associated bacteria indirectly induce defenses in tomato by triggering a salivary elicitor(s). <i>New Phytologist</i> , 2017, 214, 1294-1306.	7.3	72
16	Evaluating the Use of Male-Produced Pheromone Components and Plant Volatiles in Two Trap Designs to Monitor <i>Anoplophora glabripennis</i> . <i>Environmental Entomology</i> , 2010, 39, 169-176.	1.4	69
17	Protein Tyrosine Phosphatase-Induced Hyperactivity Is a Conserved Strategy of a Subset of BaculoViruses to Manipulate Lepidopteran Host Behavior. <i>PLoS ONE</i> , 2012, 7, e46933.	2.5	66
18	Midgut transcriptome profiling of <i>Anoplophora glabripennis</i> , a lignocellulose degrading cerambycid beetle. <i>BMC Genomics</i> , 2013, 14, 850.	2.8	65

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19	Plant defenses interact with insect enteric bacteria by initiating a leaky gut syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15991-15996.	7.1	65
20	Effect of Host Tree Species on Cellulase Activity and Bacterial Community Composition in the Gut of Larval Asian Longhorned Beetle. Environmental Entomology, 2009, 38, 686-699.	1.4	64
21	Symbiotic polydnavirus of a parasite manipulates caterpillar and plant immunity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5199-5204.	7.1	64
22	Reduction in Damage to Cotton Plants by a Recombinant Baculovirus That Knocks Moribund Larvae of <i>Heliothis virescens</i> Off the Plant. Biological Control, 1995, 5, 419-426.	3.0	62
23	Interactions of Recombinant and Wild-Type Baculoviruses with Classical Insecticides and Pyrethroid-Resistant Tobacco Budworm (Lepidoptera: Noctuidae). Journal of Economic Entomology, 1997, 90, 1170-1180.	1.8	55
24	Gut Microbes Contribute to Nitrogen Provisioning in a Wood-Feeding Cerambycid. Environmental Entomology, 2014, 43, 903-912.	1.4	55
25	Essential Amino Acid Supplementation by Gut Microbes of a Wood-Feeding Cerambycid. Environmental Entomology, 2016, 45, 66-73.	1.4	55
26	Inhibition of Baculoviral Disease by Plant-Mediated Peroxidase Activity and Free Radical Generation. Journal of Chemical Ecology, 1998, 24, 1949-2001.	1.8	52
27	Host tree resistance against the polyphagous wood-boring beetle <i>Anoplophora glabripennis</i> . Entomologia Experimentalis Et Applicata, 2004, 110, 79-86.	1.4	52
28	Plant-mediated alteration of the peritrophic matrix and baculovirus infection in lepidopteran larvae. Journal of Insect Physiology, 2008, 54, 737-749.	2.0	51
29	Attraction of <i>Anoplophora glabripennis</i> to Male-Produced Pheromone and Plant Volatiles. Environmental Entomology, 2009, 38, 1745-1755.	1.4	50
30	Contributions of immune responses to developmental resistance in <i>Lymantria dispar</i> challenged with baculovirus. Journal of Insect Physiology, 2010, 56, 1167-1177.	2.0	50
31	Baculoviruses and Other Occluded Insect Viruses. , 2012, , 73-131.		49
32	Identification of proteins involved in lignocellulose degradation using in gel zymogram analysis combined with mass spectroscopy-based peptide analysis of gut proteins from larval Asian longhorned beetles, <i>Anoplophora glabripennis</i> . Insect Science, 2010, 17, 253-264.	3.0	48
33	Oviposition Preference and Larval Performance of <i>Anoplophora glabripennis</i> (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 1 2003, 32, 1028-1034.	1.4	46
34	Diversity of proteobacterial endosymbionts in hemlock woolly adelgid (<i>Adelges tsugae</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 Environmental Microbiology, 2013, 15, 2043-2062.	3.8	46
35	Diet influences proliferation and stability of gut bacterial populations in herbivorous lepidopteran larvae. PLoS ONE, 2020, 15, e0229848.	2.5	46
36	Title is missing!. Journal of Chemical Ecology, 1998, 24, 253-271.	1.8	44

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37	Herbivore Oral Secreted Bacteria Trigger Distinct Defense Responses in Preferred and Non-Preferred Host Plants. <i>Journal of Chemical Ecology</i> , 2016, 42, 463-474.	1.8	44
38	Development and Evaluation of a Trapping System for <i>Anoplophora glabripennis</i> (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.4	43
39	Microbial Community Profiling to Investigate Transmission of Bacteria Between Life Stages of the Wood-Boring Beetle, <i>Anoplophora glabripennis</i> . <i>Microbial Ecology</i> , 2009, 58, 199-211.	2.8	42
40	Appropriateness of Probit-9 in the Development of Quarantine Treatments for Timber and Timber Commodities. <i>Journal of Economic Entomology</i> , 2011, 104, 717-731.	1.8	42
41	TRANSMISSION OF THE PITCH CANKER FUNGUS, <i>FUSARIUM SUBGLUTINANS</i> F. SP. <i>PINI</i> , TO MONTEREY PINE, <i>PINUS RADIATA</i> , BY CONE- AND TWIG-INFESTING BEETLES. <i>Canadian Entomologist</i> , 1996, 128, 981-994.	0.8	36
42	Systemic component to intrastadial developmental resistance in <i>Lymantria dispar</i> to its baculovirus. <i>Biological Control</i> , 2002, 25, 92-98.	3.0	35
43	Title is missing!. <i>Journal of Chemical Ecology</i> , 1998, 24, 221-252.	1.8	34
44	Colorado potato beetle manipulates plant defenses in local and systemic leaves. <i>Plant Signaling and Behavior</i> , 2013, 8, e27592.	2.4	34
45	Intrastadial developmental resistance of third instar gypsy moths (<i>Lymantria dispar</i> L.) to <i>L. dispar</i> nucleopolyhedrovirus. <i>Biological Control</i> , 2007, 40, 355-361.	3.0	33
46	Proteomic Analysis of <i>Fusarium solani</i> Isolated from the Asian Longhorned Beetle, <i>Anoplophora glabripennis</i> . <i>PLoS ONE</i> , 2012, 7, e32990.	2.5	33
47	Sex-Specific Trail Pheromone Mediates Complex Mate Finding Behavior in <i>Anoplophora glabripennis</i> . <i>Journal of Chemical Ecology</i> , 2014, 40, 169-180.	1.8	33
48	Effects of Pheromone and Plant Volatile Release Rates and Ratios on Trapping <i>Anoplophora glabripennis</i> (Coleoptera: Cerambycidae) in China. <i>Environmental Entomology</i> , 2014, 43, 1379-1388.	1.4	32
49	Bacterial and Fungal Midgut Community Dynamics and Transfer Between Mother and Brood in the Asian Longhorned Beetle (<i>Anoplophora glabripennis</i>), an Invasive Xylophage. <i>Microbial Ecology</i> , 2019, 77, 230-242.	2.8	31
50	Host miRNAs are involved in hormonal regulation of HaSNPV-triggered climbing behaviour in <i>Helicoverpa armigera</i> . <i>Molecular Ecology</i> , 2018, 27, 459-475.	3.9	30
51	Pathogenesis of <i>Lymantria dispar</i> multiple nucleopolyhedrovirus in <i>L. dispar</i> and mechanisms of developmental resistance. <i>Journal of General Virology</i> , 2010, 91, 1590-1600.	2.9	29
52	Plant-mediated effects on an insect-pathogen interaction vary with intraspecific genetic variation in plant defences. <i>Oecologia</i> , 2017, 183, 1121-1134.	2.0	29
53	Behavior of Adult <i>Anoplophora glabripennis</i> on Different Tree Species Under Greenhouse Conditions. <i>Journal of Insect Behavior</i> , 2004, 17, 215-226.	0.7	28
54	Impact of viral enhancin genes on potency of <i>Lymantria dispar</i> multiple nucleopolyhedrovirus in <i>L. dispar</i> following disruption of the peritrophic matrix. <i>Journal of Invertebrate Pathology</i> , 2010, 104, 150-152.	3.2	28

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55	Construction and Characterization of Immediate Early Baculovirus Pesticides. <i>Biological Control</i> , 1996, 7, 228-235.	3.0	26
56	QUANTITATIVE AND SEASONAL ASSOCIATION OF THE PITCH CANKER FUNGUS, <i>FUSARIUM SUBGLUTINANS</i> F. SP. <i>PINI</i> WITH <i>CONOPHTHORUS RADIATAE</i> (COLEOPTERA: SCOLYTIDAE) AND <i>ERNOBIUS PUNCTULATUS</i> (COLEOPTERA: ANOBIIDAE) WHICH INFEST <i>PINUS RADIATA</i> . <i>Canadian Entomologist</i> , 1995, 127, 79-91.	0.8	25
57	Spotted Lanternfly (Hemiptera: Fulgoridae) Can Complete Development and Reproduce Without Access to the Preferred Host, <i>Ailanthus altissima</i> . <i>Environmental Entomology</i> , 2020, 49, 1185-1190.	1.4	24
58	Production of Polyhedra of the <i>Autographa californica</i> Nuclear Polyhedrosis Virus Using the Sf21 and Tn5B1-4 Cell Lines and Comparison with Host-Derived Polyhedra by Bioassay. <i>Journal of Invertebrate Pathology</i> , 1995, 66, 224-230.	3.2	22
59	Dietary Protein and Chlorogenic Acid Effect on Baculoviral Disease of Noctuid (Lepidoptera: Tj ETQq1 1 0.784314 <i>Overlock 10</i>	1.4	22
60	Effects of Temperature on Development of <i>Lymantria dispar asiatica</i> and <i>Lymantria dispar japonica</i> (Lepidoptera: Erebidae). <i>Environmental Entomology</i> , 2017, 46, 1012-1023.	1.4	22
61	Host-plant induced changes in microbial community structure and midgut gene expression in an invasive polyphage (<i>Anoplophora glabripennis</i>). <i>Scientific Reports</i> , 2018, 8, 9620.	3.3	22
62	Contrasting diets reveal metabolic plasticity in the tree-killing beetle, <i>Anoplophora glabripennis</i> (Cerambycidae: Lamiinae). <i>Scientific Reports</i> , 2016, 6, 33813.	3.3	21
63	Dose dependency of time to death in single and mixed infections with a wildtype and egt deletion strain of <i>Helicoverpa armigera</i> nucleopolyhedrovirus. <i>Journal of Invertebrate Pathology</i> , 2010, 104, 44-50.	3.2	20
64	Phylogenetic Analysis of <i>Fusarium solani</i> Associated with the Asian Longhorned Beetle, <i>Anoplophora glabripennis</i> . <i>Insects</i> , 2012, 3, 141-160.	2.2	20
65	Seeking alternatives to probit 9 when developing treatments for wood packaging materials under ISPM No. 15. <i>EPP0 Bulletin</i> , 2011, 41, 39-45.	0.8	19
66	Sensory Aspects of Trail-Following Behaviors in the Asian Longhorned Beetle, <i>Anoplophora glabripennis</i> . <i>Journal of Insect Behavior</i> , 2016, 29, 615-628.	0.7	19
67	Gut-Associated Bacteria of <i>Helicoverpa zea</i> Indirectly Trigger Plant Defenses in Maize. <i>Journal of Chemical Ecology</i> , 2018, 44, 690-699.	1.8	19
68	Destruction of bacterial spores by phenomenally high efficiency non-contact ultrasonic transducers. <i>Materials Research Innovations</i> , 2002, 6, 291-295.	2.3	18
69	Dispersal of <i>Lycorma delicatula</i> (Hemiptera: Fulgoridae) Nymphs Through Contiguous, Deciduous Forest. <i>Environmental Entomology</i> , 2020, 49, 1012-1018.	1.4	17
70	Performance and host association of spotted lanternfly (<i>Lycorma delicatula</i>) among common woody ornamentals. <i>Scientific Reports</i> , 2021, 11, 15774.	3.3	17
71	Comparative study of radio-frequency and microwave heating for phytosanitary treatment of wood. <i>European Journal of Wood and Wood Products</i> , 2016, 74, 491-500.	2.9	16
72	Parasitic Wasp Mediates Plant Perception of Insect Herbivores. <i>Journal of Chemical Ecology</i> , 2019, 45, 972-981.	1.8	16

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73	Methods to Evaluate Host Tree Suitability to the Asian Longhorned Beetle, <i>Anoplophora glabripennis</i> . <i>Journal of Environmental Horticulture</i> , 2002, 20, 175-180.	0.5	15
74	Lethal temperature for pinewood nematode, <i>Bursaphelenchus xylophilus</i> , in infested wood using radio frequency (RF) energy. <i>Journal of Wood Science</i> , 2013, 59, 160-170.	1.9	13
75	<i>Enterobacter ludwigii</i> , isolated from the gut microbiota of <i>Helicoverpa zea</i> , promotes tomato plant growth and yield without compromising anti-herbivore defenses. <i>Arthropod-Plant Interactions</i> , 2019, 13, 271-278.	1.1	13
76	Complete development of <i>Anoplophora glabripennis</i> (Coleoptera: Cerambycidae) in northern red oak trees. <i>Canadian Entomologist</i> , 2005, 137, 376-379.	0.8	12
77	Efficacy of radio frequency treatment and its potential for control of sapstain and wood decay fungi on red oak, poplar, and southern yellow pine wood species. <i>Journal of Wood Science</i> , 2007, 53, 258-263.	1.9	12
78	Dispersion Patterns and Sample Size Estimates for Egg Masses of Spotted Lanternfly (Hemiptera: Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.4	12
79	Effects of single and mixed infections with wild type and genetically modified <i>Helicoverpa armigera</i> nucleopolyhedrovirus on movement behaviour of cotton bollworm larvae. <i>Entomologia Experimentalis Et Applicata</i> , 2010, 135, 56-67.	1.4	11
80	Genome Sequence of <i>Fusarium</i> Isolate MYA-4552 from the Midgut of <i>Anoplophora glabripennis</i> , an Invasive, Wood-Boring Beetle. <i>Genome Announcements</i> , 2016, 4, .	0.8	11
81	Lethal temperature for pinewood nematode, <i>Bursaphelenchus xylophilus</i> , in infested wood using microwave energy. <i>Journal of Nematology</i> , 2010, 42, 101-10.	0.9	11
82	Induction of Systemic Acquired Resistance in Cotton Foliage Does Not Adversely Affect the Performance of an Entomopathogen. <i>Journal of Chemical Ecology</i> , 2007, 33, 1570-1581.	1.8	10
83	Within gut physicochemical variation does not correspond to distinct resident fungal and bacterial communities in the tree-killing xylophage, <i>Anoplophora glabripennis</i> . <i>Journal of Insect Physiology</i> , 2017, 102, 27-35.	2.0	10
84	Asymmetric Responses to Climate Change: Temperature Differentially Alters Herbivore Salivary Elicitor and Host Plant Responses to Herbivory. <i>Journal of Chemical Ecology</i> , 2020, 46, 891-905.	1.8	10
85	Effects of Diet-Age and Streptomycin on Virulence of <i>Autographa californica</i> Nucleopolyhedrovirus against the Tobacco Budworm. <i>Journal of Invertebrate Pathology</i> , 1997, 69, 46-50.	3.2	9
86	Plant genotype and induced defenses affect the productivity of an insect-killing obligate viral pathogen. <i>Journal of Invertebrate Pathology</i> , 2017, 148, 34-42.	3.2	9
87	Jasmonic acid-induced plant defenses delay caterpillar developmental resistance to a baculovirus: Slow-growth, high-mortality hypothesis in plant-insect-pathogen interactions. <i>Journal of Invertebrate Pathology</i> , 2018, 158, 16-23.	3.2	9
88	Olfactory Sensory Neurons of the Asian Longhorned Beetle, <i>Anoplophora glabripennis</i> , Specifically Responsive to its two Aggregation-Sex Pheromone Components. <i>Journal of Chemical Ecology</i> , 2018, 44, 637-649.	1.8	8
89	Herbivore-Induced Defenses in Tomato Plants Enhance the Lethality of the Entomopathogenic Bacterium, <i>Bacillus thuringiensis</i> var. <i>kurstaki</i> . <i>Journal of Chemical Ecology</i> , 2018, 44, 947-956.	1.8	8
90	Divergent host plant utilization by adults and offspring is related to intra-plant variation in chemical defences. <i>Journal of Animal Ecology</i> , 2019, 88, 1789-1798.	2.8	8

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91	Labial and maxillary palp recordings of the Asian longhorned beetle, <i>Anoplophora glabripennis</i> , reveal olfactory and hygroreceptive capabilities. <i>Journal of Insect Physiology</i> , 2019, 117, 103905.	2.0	8
92	Potential Impacts of Translocation of Neonicotinoid Insecticides to Cotton (<i>Gossypium hirsutum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 159-168.	1.4	8
93	Host permissiveness to baculovirus influences timeâ€dependent immune responses and fitness costs. <i>Insect Science</i> , 2021, 28, 103-114.	3.0	8
94	Pathogen-Mediated Tritrophic Interactions: Baculovirus-Challenged Caterpillars Induce Higher Plant Defenses than Healthy Caterpillars. <i>Journal of Chemical Ecology</i> , 2019, 45, 515-524.	1.8	7
95	Spotted Lanternfly (Hemiptera: Fulgoridae) Nymphal Dispersion Patterns and Their Influence on Field Experiments. <i>Environmental Entomology</i> , 2021, , .	1.4	7
96	Assessing the Integrated Pest Management Practices of Pennsylvania Nursery Operations. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2004, 39, 297-302.	1.0	7
97	Baculoviruses hijack the visual perception of their caterpillar hosts to induce climbing behaviour thus promoting virus dispersal. <i>Molecular Ecology</i> , 2022, 31, 2752-2765.	3.9	6
98	<i>Scymnus camptodromus</i> (Coleoptera: Coccinellidae) Larval Development and Predation of Hemlock Woolly Adelgid (Hemiptera: Adelgidae). <i>Environmental Entomology</i> , 2015, 44, 81-89.	1.4	5
99	Comparing Asian Gypsy Moth [<i>Lymantria dispar asiatica</i>] (<i>Lepidoptera: Erebidae</i>) and <i>L. dispar japonica</i>] Trap Data From East Asian Ports With Lab Parameterized Phenology Models: New Tools and Questions. <i>Annals of the Entomological Society of America</i> , 2020, 113, 125-138.	2.5	5
100	OUP accepted manuscript. <i>Environmental Entomology</i> , 2022, , .	1.4	5
101	Host Range Specificity of <i>Scymnus camptodromus</i> (Coleoptera: Coccinellidae), A Predator of Hemlock Woolly Adelgid (Hemiptera: Adelgidae). <i>Environmental Entomology</i> , 2016, 45, 94-100.	1.4	4
102	Specificity of developmental resistance in gypsy moth (<i>Lymantria dispar</i>) to two DNA-insect viruses. <i>Virologica Sinica</i> , 2009, 24, 493-500.	3.0	3
103	Salicinoid phenolics reduce adult <i>Anoplophora glabripennis</i> (Cerambycidae: Lamiinae) feeding and egg production. <i>Arthropod-Plant Interactions</i> , 2021, 15, 127-136.	1.1	3
104	Assessing the Intergrated Pest Management Practices of Pennsylvania, U.S., Landscape Companies. <i>Arboriculture and Urban Forestry</i> , 2004, 30, 253-260.	0.6	0