

# Dong H Cha

## List of Publications by Year in descending order

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61  
papers

1,458  
citations

394421

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61  
docs citations

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times ranked

1083  
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#	ARTICLE	IF	CITATIONS
1	Identification and Field Evaluation of Fermentation Volatiles from Wine and Vinegar that Mediate Attraction of Spotted Wing Drosophila, <i>Drosophila suzukii</i> . Journal of Chemical Ecology, 2012, 38, 1419-1431.	1.8	144
2	A four-component synthetic attractant for <i>Drosophila suzukii</i> (Diptera: Drosophilidae) isolated from fermented bait headspace. Pest Management Science, 2014, 70, 324-331.	3.4	137
3	<i>Drosophila suzukii</i> (Diptera: Drosophilidae): A Decade of Research Towards a Sustainable Integrated Pest Management Program. Journal of Economic Entomology, 2021, 114, 1950-1974.	1.8	113
4	Identification and Field Evaluation of Grape Shoot Volatiles Attractive to Female Grape Berry Moth ( <i>Paralobesia viteana</i> ). Journal of Chemical Ecology, 2008, 34, 1180-1189.	1.8	91
5	Eavesdropping on Plant Volatiles by a Specialist Moth: Significance of Ratio and Concentration. PLoS ONE, 2011, 6, e17033.	2.5	73
6	Behavioral response of spotted-wing drosophila, <i>Drosophila suzukii</i> Matsumura, to aversive odors and a potential oviposition deterrent in the field. Pest Management Science, 2016, 72, 701-706.	3.4	62
7	Comparison of a Synthetic Chemical Lure and Standard Fermented Baits for Trapping <i>Drosophila suzukii</i> (Diptera: Drosophilidae). Environmental Entomology, 2013, 42, 1052-1060.	1.4	56
8	Simpler is better: fewer non-target insects trapped with a four-component chemical lure vs. a chemically more complex food-type bait for <i>Drosophila suzukii</i> . Entomologia Experimentalis Et Applicata, 2015, 154, 251-260.	1.4	52
9	Evaluating a push-pull strategy for management of <i>Drosophila suzukii</i> Matsumura in red raspberry. Pest Management Science, 2018, 74, 120-125.	3.4	43
10	Chemical and behavioral analysis of the cuticular hydrocarbons from Asian citrus psyllid, <i>Diaphorina citri</i> . Insect Science, 2013, 20, 367-378.	3.0	32
11	Comparison of Commercial Lures and Food Baits for Early Detection of Fruit Infestation Risk by <i>Drosophila suzukii</i> (Diptera: Drosophilidae). Journal of Economic Entomology, 2018, 111, 645-652.	1.8	32
12	Robust Manipulations of Pest Insect Behavior Using Repellents and Practical Application for Integrated Pest Management. Environmental Entomology, 2017, 46, 1041-1050.	1.4	31
13	ON THE SCENT OF STANDING VARIATION FOR SPECIATION: BEHAVIORAL EVIDENCE FOR NATIVE SYMPATRIC HOST RACES OF RHAGOLETIS POMONELLA (DIPTERA: TEPHRITIDAE) IN THE SOUTHERN UNITED STATES. Evolution; International Journal of Organic Evolution, 2012, 66, 2739-2756.	2.3	30
14	Darwin's finches treat their feathers with a natural repellent. Scientific Reports, 2016, 6, 34559.	3.3	29
15	Flight Tunnel Responses of Female Grape Berry Moth ( <i>Paralobesia viteana</i> ) to Host Plants. Journal of Chemical Ecology, 2008, 34, 622-627.	1.8	28
16	Effect of Chemical Ratios of a Microbial-Based Feeding Attractant on Trap Catch of <i>Drosophila suzukii</i> (Diptera: Drosophilidae). Environmental Entomology, 2017, 46, 907-915.	1.4	28
17	BEHAVIORAL EVIDENCE FOR FRUIT ODOR DISCRIMINATION AND SYMPATRIC HOST RACES OF <i>RHAGOLETIS POMONELLA</i> FLIES IN THE WESTERN UNITED STATES. Evolution; International Journal of Organic Evolution, 2012, 66, 3632-3641.	2.3	25
18	Ethyl formate fumigation and ethyl formate plus cold treatment combination as potential phytosanitary quarantine treatments of <i>Drosophila suzukii</i> in blueberries. Journal of Asia-Pacific Entomology, 2021, 24, 129-135.	0.9	22

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19	Identification of Host Fruit Volatiles from Domestic Apple ( <i>Malus domestica</i> ), Native Black Hawthorn ( <i>Crataegus douglasii</i> ) and Introduced Ornamental Hawthorn ( <i>C. monogyna</i> ) Attractive to <i>Rhagoletis pomonella</i> Flies from the Western United States. <i>Journal of Chemical Ecology</i> , 2012, 38, 319-329.	1.8	21
20	Protein storage and root:shoot reallocation provide tolerance to damage in a hybrid willow system. <i>Oecologia</i> , 2012, 169, 49-60.	2.0	20
21	N-Butyl Sulfide as an Attractant and Coattractant for Male and Female Codling Moth (Lepidoptera: Tj ETQq1 1 0.784314 rgBT /Overled	1.4	19
22	Identification and Optimization of Microbial Attractants for <i>Philornis downsi</i> , an Invasive Fly Parasitic on Galapagos Birds. <i>Journal of Chemical Ecology</i> , 2016, 42, 1101-1111.	1.8	19
23	Identification of Host Fruit Volatiles from Three Mayhaw Species ( <i>Crataegus Series Aestivales</i> ) Attractive to Mayhaw-Origin <i>Rhagoletis pomonella</i> Flies in the Southern United States. <i>Journal of Chemical Ecology</i> , 2011, 37, 961-73.	1.8	18
24	Identification of Fruit Volatiles from Green Hawthorn ( <i>Crataegus Viridis</i> ) and Blueberry Hawthorn ( <i>Crataegus Brachyacantha</i> ) Host Plants Attractive to Different Phenotypes of <i>Rhagoletis Pomonella</i> Flies in the Southern United States. <i>Journal of Chemical Ecology</i> , 2011, 37, 974-83.	1.8	18
25	Ethyl Formate as a Methyl Bromide Alternative for Phytosanitary Disinfestation of Imported Banana in Korea With Logistical Considerations. <i>Journal of Economic Entomology</i> , 2020, 113, 1711-1717.	1.8	18
26	2- <i>Pentylfuran</i> : a novel repellent of <i>Drosophila suzukii</i> . <i>Pest Management Science</i> , 2021, 77, 1757-1764.	3.4	17
27	Effect of Erythritol on <i>Drosophila suzukii</i> (Diptera: Drosophilidae) in the Presence of Naturally-Occurring Sugar Sources, and on the Survival of <i>Apis mellifera</i> (Hymenoptera: Apidae). <i>Journal of Economic Entomology</i> , 2019, 112, 981-985.	1.8	16
28	Identification of a female-produced pheromone in a destructive invasive species: Asian longhorn beetle, <i>Anoplophora glabripennis</i> . <i>Journal of Pest Science</i> , 2020, 93, 1321-1332.	3.7	14
29	Geographic variation in fruit volatiles emitted by the hawthorn <i>Crataegus mollis</i> and its consequences for host race formation in the apple maggot fly, <i>Rhagoletis pomonella</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2012, 143, 254-268.	1.4	13
30	Attraction of the Orange Mint Moth and False Celery Leaf-tier Moth (Lepidoptera: Crambidae) to Floral Chemical Lures. <i>Journal of Economic Entomology</i> , 2014, 107, 654-660.	1.8	13
31	From a non-target to a target: identification of a fermentation volatile blend attractive to <i>Zaprionus indianus</i> . <i>Journal of Applied Entomology</i> , 2015, 139, 114-122.	1.8	13
32	Red oak responses to nitrogen addition depend on herbivory type, tree family, and site. <i>Forest Ecology and Management</i> , 2010, 259, 1930-1937.	3.2	12
33	Ammonium Carbonate Is More Attractive Than Apple and Hawthorn Fruit Volatile Lures to <i>Rhagoletis pomonella</i> (Diptera: Tephritidae) in Washington State. <i>Environmental Entomology</i> , 2014, 43, 957-968.	1.4	12
34	Trapping the African Fig Fly (Diptera: Drosophilidae) with Combinations of Vinegar and Wine. <i>Florida Entomologist</i> , 2014, 97, 85-89.	0.5	12
35	Identification of Host Fruit Volatiles from Snowberry ( <i>Symphoricarpos albus</i> ), Attractive to <i>Rhagoletis zephyria</i> Flies from the Western United States. <i>Journal of Chemical Ecology</i> , 2017, 43, 188-197.	1.8	12
36	A Multiple-Choice Bioassay Approach for Rapid Screening of Key Attractant Volatiles. <i>Environmental Entomology</i> , 2018, 47, 946-950.	1.4	12

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37	Ethyl Formate as a Methyl Bromide Alternative for Fumigation of Citrus: Efficacy, Fruit Quality, and Workplace Safety. <i>Journal of Economic Entomology</i> , 2021, 114, 2290-2296.	1.8	12
38	Synergistic Trap Response of the False Stable Fly and Little House Fly (Diptera: Muscidae) to Acetic Acid and Ethanol, Two Principal Sugar Fermentation Volatiles. <i>Environmental Entomology</i> , 2015, 44, 1441-1448.	1.4	11
39	Behavioral evidence for contextual olfactory-mediated avoidance of the ubiquitous phytopathogen <i>Botrytis cinerea</i> by <i>Drosophila suzukii</i> . <i>Insect Science</i> , 2020, 27, 771-779.	3.0	11
40	Automated aerosol puffers effectively deliver 1-octen-3-ol, an oviposition antagonist useful against spotted-wing drosophila. <i>Pest Management Science</i> , 2021, 77, 389-396.	3.4	11
41	Monitoring Grape Berry Moth ( <i>Paralobesia viteana</i> : Lepidoptera) in Commercial Vineyards using a Host Plant Based Synthetic Lure. <i>Environmental Entomology</i> , 2011, 40, 1511-1522.	1.4	10
42	Ethyl formate fumigation for the disinfestation of red imported fire ants <i>Solenopsis invicta</i> Buren. <i>Journal of Asia-Pacific Entomology</i> , 2019, 22, 838-840.	0.9	10
43	Preferential Attraction of Oviposition-Ready Oriental Fruit Flies to Host Fruit Odor over Protein Food Odor. <i>Insects</i> , 2021, 12, 909.	2.2	9
44	Evaluating <i>Bactrocera dorsalis</i> (Hendel) (Diptera: Tephritidae) Response to Methyl Eugenol: Comparison of Three Common Bioassay Methods. <i>Journal of Economic Entomology</i> , 2022, 115, 556-564.	1.8	9
45	Influence of Trap Design on Upwind Flight Behavior and Capture of Female Grape Berry Moth (Lepidoptera: Tortricidae) With a Kairomone Lure. <i>Environmental Entomology</i> , 2013, 42, 150-157.	1.4	8
46	A double-edged sword: <i>Amylostereum areolatum</i> odors attract both <i>Sirex noctilio</i> (Hymenoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	8
47	Plants, microbes, and odorants involved in host plant location by a specialist moth: who's making the message?. <i>Entomologia Experimentalis Et Applicata</i> , 2019, 167, 313-322.	1.4	7
48	Do exotic generalist predators alter host plant preference of a native willow beetle?. <i>Agricultural and Forest Entomology</i> , 2009, 11, 175-184.	1.3	6
49	Electrophysiological and behavioral identification of a volatile blend involved in host location of female strawberry sap beetle, <i>Stelidota geminata</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2011, 140, 153-162.	1.4	6
50	Age-dependent response of female melon fly, <i>Zeugodacus cucurbitae</i> (Diptera: Tephritidae), to volatiles emitted from damaged host fruits. <i>Journal of Asia-Pacific Entomology</i> , 2021, 24, 759-763.	0.9	6
51	Does Habituation Affect the Efficacy of Semiochemical Oviposition Repellents Developed Against <i>Drosophila suzukii</i> ? <i>Environmental Entomology</i> , 2021, 50, 1322-1331.	1.4	5
52	Identification of a New Blend of Host Fruit Volatiles from Red Downy Hawthorn, <i>Crataegus mollis</i> , Attractive to <i>Rhagoletis pomonella</i> Flies from the Northeastern United States. <i>Journal of Chemical Ecology</i> , 2018, 44, 671-680.	1.8	4
53	Olfactory attraction to aggregation pheromone is mediated by disti-flagellum of antennal segments in <i>Riptortus pedestris</i> . <i>Journal of Asia-Pacific Entomology</i> , 2021, 24, 415-420.	0.9	4
54	Proximate Mechanisms of Host Plant Location by a Specialist Phytophagous Insect, the Grape Berry Moth, <i>Paralobesia Viteana</i> . <i>Journal of Chemical Ecology</i> , 2019, 45, 946-958.	1.8	3

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55	New feasible quarantine disinfestation using ethyl formate for termites and ants on imported lumber. Journal of Asia-Pacific Entomology, 2021, 24, 969-974.	0.9	3
56	Postharvest Quarantine Treatments for <i>Drosophila suzukii</i> in Fresh Fruit. , 2020, , 255-267.		2
57	Ethyl Formate-Based Quarantine Treatment for Exotic Ants and Termites in Imported Rubber Plants and Stone Products. Applied Sciences (Switzerland), 2022, 12, 6066.	2.5	2
58	(Z)-11-hexadecenal Attracts Male <i>Hecatera dysodea</i> (Denis and Schiffermüller) (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.2	1
59	Comparative Responses of <i>Rhagoletis zephyria</i> and <i>Rhagoletis pomonella</i> (Diptera: Tephritidae) to Commercial and Experimental Sticky Traps and Odors in Washington State. Environmental Entomology, 2017, 46, 1351-1358.	1.4	1
60	Behavioral Response of Little Fire Ant, <i>Wasmannia auropunctata</i> (Hymenoptera: Formicidae), to Trail Chemicals Laid on Epiphytic Moss. Journal of Insect Behavior, 2019, 32, 145-152.	0.7	1
61	Habitat cues synergize to elicit chemically mediated landing behavior in a specialist phytophagous insect, the grape berry moth. Entomologia Experimentalis Et Applicata, 2020, 168, 880-889.	1.4	1