

# William R Morrison

## List of Publications by Citations

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79  
papers

1,204  
citations

18  
h-index

31  
g-index

89  
ext. papers

1,550  
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5.09  
L-index

| #  | Paper   | IF  | Citations |
|----|---|-----|-----------|
| 79 | Indigenous arthropod natural enemies of the invasive brown marmorated stink bug in North America and Europe. <i>Journal of Pest Science</i> , <b>2017</b> , 90, 1009-1020   | 5.5 | 96        |
| 78 | Establishing the behavioral basis for an attract-and-kill strategy to manage the invasive <i>Halyomorpha halys</i> in apple orchards. <i>Journal of Pest Science</i> , <b>2016</b> , 89, 81-96  | 5.5 | 73        |
| 77 | The impact of taxonomic change on conservation: Does it kill, can it save, or is it just irrelevant?. <i>Biological Conservation</i> , <b>2009</b> , 142, 3201-3206   | 6.2 | 70        |
| 76 | Attraction of the Invasive <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae) to Traps Baited with Semiochemical Stimuli Across the United States. <i>Environmental Entomology</i> , <b>2015</b> , 44, 746-56   | 2.1 | 66        |
| 75 | The Common Asparagus Beetle and Spotted Asparagus Beetle (Coleoptera: Chrysomelidae): Identification, Ecology, and Management. <i>Journal of Integrated Pest Management</i> , <b>2014</b> , 5, 1-6  | 3.7 | 66        |
| 74 | Frequency, efficiency, and physical characteristics of predation by generalist predators of brown marmorated stink bug (Hemiptera: Pentatomidae) eggs. <i>Biological Control</i> , <b>2016</b> , 97, 120-130  | 3.8 | 54        |
| 73 | Chemical ecology of <i>Halyomorpha halys</i> : discoveries and applications. <i>Journal of Pest Science</i> , <b>2017</b> , 90, 989-1008  | 5.5 | 50        |
| 72 | Behavioral responses of the invasive <i>Halyomorpha halys</i> (Stål) to traps baited with stereoisomeric mixtures of 10,11-epoxy-1-bisabolen-3-OL. <i>Journal of Chemical Ecology</i> , <b>2015</b> , 41, 418-29  | 2.7 | 38        |
| 71 | Characterizing spring emergence of adult <i>Halyomorpha halys</i> using experimental overwintering shelters and commercial pheromone traps. <i>Entomologia Experimentalis Et Applicata</i> , <b>2017</b> , 162, 336-345   | 2.1 | 35        |
| 70 | Evaluation of Trap Designs and Deployment Strategies for Capturing <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae). <i>Journal of Economic Entomology</i> , <b>2015</b> , 108, 1683-92   | 2.2 | 34        |
| 69 | Sanitation Improves Stored Product Insect Pest Management. <i>Insects</i> , <b>2019</b> , 10,   | 2.8 | 30        |
| 68 | Predation and parasitism by native and exotic natural enemies of <i>Halyomorpha halys</i> (Stål) (Hemiptera: Pentatomidae) eggs augmented with semiochemicals and differing host stimuli. <i>Biological Control</i> , <b>2018</b> , 121, 140-150                          | 3.8 | 30        |
| 67 | Successful management of <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae) in commercial apple orchards with an attract-and-kill strategy. <i>Pest Management Science</i> , <b>2019</b> , 75, 104-114  | 4.6 | 29        |
| 66 | Mobility of Adult <i>Tribolium castaneum</i> (Coleoptera: Tenebrionidae) and <i>Rhyzopertha dominica</i> (Coleoptera: Bostrichidae) After Exposure to Long-Lasting Insecticide-Incorporated Netting. <i>Journal of Economic Entomology</i> , <b>2018</b> , 111, 2443-2453 | 2.2 | 27        |
| 65 | Methyl Benzoate as a Putative Alternative, Environmentally Friendly Fumigant for the Control of Stored Product Insects. <i>Journal of Economic Entomology</i> , <b>2019</b> , 112, 2458-2468  | 2.2 | 25        |
| 64 | The consequences of sublethal exposure to insecticide on the survivorship and mobility of <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae). <i>Pest Management Science</i> , <b>2017</b> , 73, 389-396  | 4.6 | 22        |
| 63 | Modeling the potential range expansion of larger grain borer, <i>Prostephanus truncatus</i> (Coleoptera: Bostrichidae). <i>Scientific Reports</i> , <b>2019</b> , 9, 6862   | 4.9 | 19        |

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|----|---|-----|----|
| 62 | Monitoring and Biosurveillance Tools for the Brown Marmorated Stink Bug, (Stål) (Hemiptera: Pentatomidae). <i>Insects</i> , <b>2018</b> , 9,  | 2.8 | 19 |
| 61 | Behavioural response of the invasive <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae) to host plant stimuli augmented with semiochemicals in the field. <i>Agricultural and Forest Entomology</i> , <b>2018</b> , 20, 62-72   | 1.9 | 18 |
| 60 | Spotted Wing Drosophila Prefer Low Hanging Fruit: Insights into Foraging Behavior and Management Strategies. <i>Journal of Insect Behavior</i> , <b>2017</b> , 30, 645-661  | 1.1 | 18 |
| 59 | Mobility and Dispersal of Two Cosmopolitan Stored-Product Insects Are Adversely Affected by Long-Lasting Insecticide Netting in a Life Stage-Dependent Manner. <i>Journal of Economic Entomology</i> , <b>2020</b> , 113, 1768-1779   | 2.2 | 18 |
| 58 | Predation of <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae) from Web-Building Spiders Associated with Anthropogenic Dwellings. <i>Journal of Insect Behavior</i> , <b>2017</b> , 30, 70-85  | 1.1 | 17 |
| 57 | Measuring host plant selection and retention of <i>Halyomorpha halys</i> by a trap crop. <i>Entomologia Experimentalis Et Applicata</i> , <b>2017</b> , 163, 197-208  | 2.1 | 17 |
| 56 | Behavioral Response of the Brown Marmorated Stink Bug (Hemiptera: Pentatomidae) to Semiochemicals Deployed Inside and Outside Anthropogenic Structures During the Overwintering Period. <i>Journal of Economic Entomology</i> , <b>2017</b> , 110, 1002-1009                      | 2.2 | 17 |
| 55 | Behavioral Responses of the Invasive <i>Halyomorpha halys</i> (Stål) (Hemiptera: Pentatomidae) to Light-Based Stimuli in the Laboratory and Field. <i>Journal of Insect Behavior</i> , <b>2015</b> , 28, 674-692  | 1.1 | 17 |
| 54 | Attraction of <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae) haplotypes in North America and Europe to baited traps. <i>Scientific Reports</i> , <b>2017</b> , 7, 16941   | 4.9 | 16 |
| 53 | Presence of the invasive brown marmorated stink bug <i>Halyomorpha halys</i> (Stål) (Hemiptera: Pentatomidae) on home exteriors during the autumn dispersal period: Results generated by citizen scientists. <i>Agricultural and Forest Entomology</i> , <b>2019</b> , 21, 99-108 | 1.9 | 16 |
| 52 | Inclusion of Specialist and Generalist Stimuli in Attract-and-Kill Programs: Their Relative Efficacy in Apple Maggot Fly (Diptera: Tephritidae) Pest Management. <i>Environmental Entomology</i> , <b>2016</b> , 45, 974-82   | 2.1 | 15 |
| 51 | Attraction, arrestment, and preference by immature <i>Trogoderma variabile</i> and <i>Trogoderma granarium</i> to food and pheromonal stimuli. <i>Journal of Pest Science</i> , <b>2020</b> , 93, 135-147   | 5.5 | 15 |
| 50 | Attraction of the invasive <i>Halyomorpha halys</i> in its native Asian range to traps baited with semiochemical stimuli. <i>Journal of Pest Science</i> , <b>2017</b> , 90, 1205-1217  | 5.5 | 14 |
| 49 | Identification of volatiles released by diapausing brown marmorated stink bug, <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae). <i>PLoS ONE</i> , <b>2018</b> , 13, e0191223   | 3.7 | 14 |
| 48 | Mobility of Stored Product Beetles after Exposure to a Combination Insecticide Containing Deltamethrin, Methoprene, and a Piperonyl Butoxide Synergist Depends on Species, Concentration, and Exposure Time. <i>Insects</i> , <b>2020</b> , 11,                                   | 2.8 | 12 |
| 47 | Towards developing areawide semiochemical-mediated, behaviorally-based integrated pest management programs for stored product insects. <i>Pest Management Science</i> , <b>2021</b> , 77, 2667-2682   | 4.6 | 10 |
| 46 | Invasion of the Brown Marmorated Stink Bug (Hemiptera: Pentatomidae) into the United States: Developing a National Response to an Invasive Species Crisis Through Collaborative Research and Outreach Efforts. <i>Journal of Integrated Pest Management</i> , <b>2020</b> , 11,   | 3.7 | 9  |
| 45 | Temperature-Mediated Competition Between the Invasive Larger Grain Borer (Coleoptera: Bostrichidae) and the Cosmopolitan Maize Weevil (Coleoptera: Curculionidae). <i>Environmental Entomology</i> , <b>2020</b> , 49, 255-264  | 2.1 | 9  |

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|----|--|-----|---|
| 44 | Enhanced Response of <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae) to Its Aggregation Pheromone with Ethyl Decatrienoate. <i>Journal of Economic Entomology</i> , <b>2018</b> , 111, 495-499  | 2.2 | 9 |
| 43 | Strong differences in chemical recognition cues between two closely related species of ants from the genus <i>Lasius</i> (Hymenoptera: Formicidae). <i>Journal of Evolutionary Biology</i> , <b>2011</b> , 24, 2389-97   | 2.3 | 9 |
| 42 | Constraints on Asparagus Production: The Association of <i>Ophiomyia simplex</i> (Diptera: Agromyzidae) and <i>Fusarium</i> spp.. <i>Crop Science</i> , <b>2011</b> , 51, 1414-1423  | 2.4 | 9 |
| 41 | Volatile release, mobility, and mortality of diapausing <i>Halyomorpha halys</i> during simulated shipping movements and temperature changes. <i>Journal of Pest Science</i> , <b>2019</b> , 92, 633-641   | 5.5 | 8 |
| 40 | Oleic acid emitted from frozen <i>Trogoderma</i> spp. larvae causes conspecific behavioral aversion. <i>Chemoecology</i> , <b>2020</b> , 30, 161-172   | 2   | 8 |
| 39 | Improved Trap Designs and Retention Mechanisms for <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae). <i>Journal of Economic Entomology</i> , <b>2018</b> , 111, 2136-2142  | 2.2 | 8 |
| 38 | The development of the asparagus miner ( <i>Ophiomyia simplex</i> Loew; Diptera: Agromyzidae) in temperate zones: a degree-day model. <i>Pest Management Science</i> , <b>2014</b> , 70, 1105-13   | 4.6 | 8 |
| 37 | Patterns of spatial and temporal distribution of the asparagus miner (Diptera: Agromyzidae): implications for management. <i>Journal of Economic Entomology</i> , <b>2013</b> , 106, 1218-25   | 2.2 | 8 |
| 36 | Long-Lasting Insecticide-Incorporated Netting and Interception Traps at Pilot-Scale Warehouses and Commercial Facilities Prevents Infestation by Stored Product Beetles. <i>Frontiers in Sustainable Food Systems</i> , <b>2021</b> , 4,   | 4.8 | 8 |
| 35 | Scaling recovery of susceptible and resistant stored product insects after short exposures to phosphine by using automated video-tracking software. <i>Pest Management Science</i> , <b>2021</b> , 77, 1245-1255   | 4.6 | 7 |
| 34 | Aeration to Manage Insects in Wheat Stored in the Balkan Peninsula: Computer Simulations Using Historical Weather Data. <i>Agronomy</i> , <b>2020</b> , 10, 1927   | 3.6 | 6 |
| 33 | Influence of harmonic radar tag attachment on nymphal <i>Halyomorpha halys</i> mobility, survivorship, and detectability. <i>Entomologia Experimentalis Et Applicata</i> , <b>2019</b> , 167, 1020-1029  | 2.1 | 6 |
| 32 | Methodology for Assessing Progeny Production and Grain Damage on Commodities Treated with Insecticides. <i>Agronomy</i> , <b>2020</b> , 10, 804  | 3.6 | 5 |
| 31 | Identification of plant semiochemicals and evaluation of their interactions with early spring insect pests of asparagus. <i>Journal of Plant Interactions</i> , <b>2016</b> , 11, 11-19  | 3.8 | 5 |
| 30 | The parasitoids of the asparagus miner (Diptera: Agromyzidae): field parasitism and the influence of food resources on life history. <i>Environmental Entomology</i> , <b>2014</b> , 43, 1526-34   | 2.1 | 5 |
| 29 | Influence of Vegetation on Invertebrate Communities in Grazed Freshwater Wetlands in South-Central Florida. <i>Southeastern Naturalist</i> , <b>2010</b> , 9, 453-464  | 0.4 | 5 |
| 28 | Effects of spinosad and spinetoram on larval mortality, adult emergence, progeny production and mating in <i>Cadra cautella</i> (Walk.) (Lepidoptera: Pyralidae). <i>Journal of Stored Products Research</i> , <b>2020</b> , 88, 101665  | 2.5 | 5 |
| 27 | Distance and height of attraction by walking and flying beetles to traps with simultaneous use of the aggregation pheromones from <i>Tribolium castaneum</i> (Herbst) (Coleoptera: Tenebrionidae) and <i>Rhyzopertha dominica</i> (F.) (Coleoptera: Bostrychidae). <i>Journal of Stored Products Research</i> , <b>2020</b> , 88, 101705 | 2.5 | 5 |

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|----|---|-----|---|
| 26 | Effectiveness of long-lasting insecticide netting on <i>Tribolium castaneum</i> is modulated by multiple exposures, biotic, and abiotic factors. <i>Pest Management Science</i> , <b>2021</b> , 77, 1235-1244   | 4.6 | 5 |
| 25 | Influence of Landscape Factors and Abiotic Conditions on Dispersal Behavior and Overwintering Site Selection by <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae). <i>Journal of Economic Entomology</i> , <b>2020</b> , 113, 2016-2021                      | 2.2 | 4 |
| 24 | (Hemiptera: Pentatomidae) Genetic Diversity in North America and Europe. <i>Insects</i> , <b>2019</b> , 10,   | 2.8 | 4 |
| 23 | Feasibility of Using Aeration to Cool Wheat Stored in Slovenia: A Predictive Modeling Approach Using Historical Weather Data. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6066  | 2.6 | 4 |
| 22 | Effects of aggregation pheromone concentration and distance on the trapping of <i>Rhyzopertha dominica</i> (F.) (Coleoptera: Bostrychidae) adults. <i>Journal of Stored Products Research</i> , <b>2020</b> , 88, 101657                                      | 2.5 | 3 |
| 21 | Brown marmorated stink bug overwintering aggregations are not regulated through vibrational signals during autumn dispersal. <i>Royal Society Open Science</i> , <b>2020</b> , 7, 201371  | 3.3 | 2 |
| 20 | Novel implementation of laser ablation tomography as an alternative technique to assess grain quality and internal insect development in stored products. <i>Journal of Stored Products Research</i> , <b>2020</b> , 86, 101552                               | 2.5 | 2 |
| 19 | Attractiveness of Pheromone Components With and Without the Synergist, Methyl (2E,4E,6Z)-2,4,6-Decatrienoate, to Brown Marmorated Stink Bug (Hemiptera: Pentatomidae). <i>Journal of Economic Entomology</i> , <b>2020</b> , 113, 712-719                     | 2.2 | 2 |
| 18 | The Influence of Marking Methods on Mobility, Survivorship, and Field Recovery of <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae) Adults and Nymphs. <i>Environmental Entomology</i> , <b>2020</b> , 49, 1026-1031   | 2.1 | 2 |
| 17 | Effect of Pheromones, Plant Volatiles and Spinosad on Mating, Male Attraction and Burrowing of (Walk.) (Lepidoptera: Pyralidae). <i>Insects</i> , <b>2020</b> , 11,   | 2.8 | 2 |
| 16 | A Systematic Review of the Behavioral Responses by Stored-Product Arthropods to Individual or Blends of Microbially Produced Volatile Cues. <i>Insects</i> , <b>2021</b> , 12,  | 2.8 | 2 |
| 15 | Border Habitat Effects on Captures of (Hemiptera: Pentatomidae) in Pheromone Traps and Fruit Injury at Harvest in Apple and Peach Orchards in the Mid-Atlantic, USA. <i>Insects</i> , <b>2021</b> , 12,   | 2.8 | 2 |
| 14 | The biology, ecology and management of the larger grain borer, <i>Prostephanus truncatus</i> (Horn) (Coleoptera: Bostrychidae). <i>Journal of Stored Products Research</i> , <b>2021</b> , 94, 101860   | 2.5 | 2 |
| 13 | Characterizing and predicting sublethal shifts in mobility by multiple stored product insects over time to an old and novel contact insecticide in three key stored commodities. <i>Pest Management Science</i> , <b>2021</b> , 77, 1990-2006                 | 4.6 | 2 |
| 12 | Orientation of <i>Tribolium castaneum</i> (Coleoptera: Tenebrionidae) adults to 4,8-dimethyldecenal, kairomone and botanical oils following ambient, low, or high temperature exposure. <i>Journal of Stored Products Research</i> , <b>2021</b> , 94, 101893 | 2.5 | 1 |
| 11 | Effect of Pheromone Blend Components, Sex Ratio, and Population Size on the Mating of <i>Cadra cautella</i> (Lepidoptera: Pyralidae). <i>Journal of Insect Science</i> , <b>2020</b> , 20,  | 2   | 1 |
| 10 | Evaluation of dosimeter tubes for monitoring phosphine fumigations. <i>Journal of Stored Products Research</i> , <b>2021</b> , 91, 101762   | 2.5 | 1 |
| 9  | Evaluations of the new deltamethrin-treated all-in-one hermetic bag for the control of the Khapra beetle, <i>Trogoderma granarium</i> (Everts). <i>Journal of Stored Products Research</i> , <b>2021</b> , 93, 101839   | 2.5 | 1 |

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|---|--|-----|---|
| 8 | Prospects for Use of Biological Control of Insect and Mites for the Food Industry in North America. <i>Agronomy</i> , <b>2021</b> , 11, 1969   | 3.6 | 1 |
| 7 | Long-Lasting Insecticide-Treated Netting Affects Reproductive Output and Mating Behavior in <i>Tribolium castaneum</i> (Coleoptera: Tenebrionidae) and <i>Trogoderma variabile</i> (Coleoptera: Dermestidae). <i>Journal of Economic Entomology</i> , <b>2021</b> , 114, 2598-2609                             | 2.2 | 0 |
| 6 | Comparative Population Growth of the Khapra Beetle (Coleoptera: Dermestidae) and the Warehouse Beetle (Coleoptera: Dermestidae) on Wheat and Rice.. <i>Journal of Economic Entomology</i> , <b>2022</b> , 115, 344-352   | 2.2 | 0 |
| 5 | Comparative Capture of <i>Trogoderma granarium</i> (Coleoptera: Dermestidae) and <i>T. variabile</i> in Floor Traps in Single Species Releases With Previously Captured Conspecific or Heterospecific Individuals. <i>Journal of Economic Entomology</i> , <b>2021</b> , 114, 2591-2597                        | 2.2 | 0 |
| 4 | Influence of Holding Conditions and Storage Duration of <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae) Eggs on Adventive and Quarantine Populations of <i>Trissolcus japonicus</i> (Hymenoptera: Scelionidae) Behavior and Parasitism Success. <i>Environmental Entomology</i> , <b>2021</b> , 50, 550-560 | 2.1 | 0 |
| 3 | Microbial Volatile Organic Compounds from Tempered and Incubated Grain Mediate Attraction by a Primary but Not Secondary Stored Product Insect Pest in Wheat. <i>Journal of Chemical Ecology</i> , <b>2021</b> , 1   | 2.7 | 0 |
| 2 | Modeling of <i>Sitophilus oryzae</i> (L.) (Coleoptera: Curculionidae) based on historical weather data indicates aeration is effective for management of wheat stored in Greece. <i>Computers and Electronics in Agriculture</i> , <b>2022</b> , 197, 106926   | 6.5 | 0 |
| 1 | Competition between and on maize: the species that gets there first matters.. <i>Bulletin of Entomological Research</i> , <b>2022</b> , 1-8  | 1.7 | 0 |