

# William R Morrison

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79  
papers

1,204  
citations

18  
h-index

31  
g-index

89  
ext. papers

1,550  
ext. citations

3  
avg, IF

5.09  
L-index

#	Paper	IF	Citations
79	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
78	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
77	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
76	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
75	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
74	Evaluation of dosimeter tubes for monitoring phosphine fumigations. <i>Journal of Stored Products Research</i> , <b>2021</b> , 91, 101762	2.5	1
73	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
72	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
71	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
70	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
69	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
68	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
67	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
66	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
65	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
64	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
63	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

62	The biology, ecology and management of the larger grain borer, <i>Prostephanus truncatus</i> (Horn) (Coleoptera: Bostrichidae). <i>Journal of Stored Products Research</i> , <b>2021</b> , 94, 101860	2.5	2
61	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
60	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
59	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
58	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
57	Methodology for Assessing Progeny Production and Grain Damage on Commodities Treated with Insecticides. <i>Agronomy</i> , <b>2020</b> , 10, 804	3.6	5
56	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
55	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
54	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
53	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
52	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
51	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
50	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
49	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
48	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
47	Effects of aggregation pheromone concentration and distance on the trapping of <i>Rhyzopertha dominica</i> (F.) (Coleoptera: Bostrichidae) adults. <i>Journal of Stored Products Research</i> , <b>2020</b> , 88, 101657	2.5	3
46	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
45	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: Bostrichidae). <i>Journal of Stored Products Research</i> , <b>2020</b> , 88, 101705	2.5	5

44	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
43	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
42	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
41	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
40	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
39	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
38	Sanitation Improves Stored Product Insect Pest Management. <i>Insects</i> , <b>2019</b> , 10,	2.8	30
37	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
36	(Hemiptera: Pentatomidae) Genetic Diversity in North America and Europe. <i>Insects</i> , <b>2019</b> , 10,	2.8	4
35	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
34	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
33	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
32	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
31	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
30	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
29	Monitoring and Biosurveillance Tools for the Brown Marmorated Stink Bug, (Stål) (Hemiptera: Pentatomidae). <i>Insects</i> , <b>2018</b> , 9,	2.8	19
28	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
27	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

26	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
25	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
24	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
23	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
22	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
21	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
20	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
19	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
18	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
17	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
16	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
15	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
14	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
13	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
12	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
11	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
10	Behavioral responses of the invasive <i>Halyomorpha halys</i> (Stål) to traps baited with stereoisomeric mixtures of 10,11-epoxy-1-bisabolene-3-OL. <i>Journal of Chemical Ecology</i> , <b>2015</b> , 41, 418-29	2.7	38
9	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

8	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
7	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
6	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
5	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
4	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
3	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
2	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
1	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