

# Richard Mankin

## List of Publications by Year in descending order

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132  
papers

2,798  
citations

186265

28  
h-index

276875

41  
g-index

134  
all docs

134  
docs citations

134  
times ranked

1330  
citing authors

#	ARTICLE	IF	CITATIONS
1	Foliar and Soil Treatments of <i>Brassica napus</i> That Elicit Antibiosis in <i>Brevicoryne brassicae</i> . <i>Agronomy</i> , 2022, 12, 882.	3.0	1
2	Subterranean Arthropod Biotremology: Ecological and Economic Contexts. <i>Animal Signals and Communication</i> , 2022, , 511-527.	0.8	2
3	Vibrational Communication in Psyllids. <i>Animal Signals and Communication</i> , 2022, , 529-546.	0.8	3
4	Automated Applications of Acoustics for Stored Product Insect Detection, Monitoring, and Management. <i>Insects</i> , 2021, 12, 259.	2.2	25
5	Residual Efficacy of Novaluron Applied on Concrete, Metal, and Wood for the Control of Stored Product Coleopteran Pests. <i>Insects</i> , 2021, 12, 7.	2.2	9
6	Performance of a Low-Cost Acoustic Insect Detector System with <i>Sitophilus oryzae</i> (Coleoptera: Curculionidae) in Stored Grain and <i>Tribolium castaneum</i> (Coleoptera: Tj ETQq0 0 0 rgBT /Overlook 10 Tf50 537 Td	2.2	10
7	Effects of <i>Diaphorina citri</i> Population Density on Daily Timing of Vibrational Communication Calls: Potential Benefits in Finding Forage. <i>Insects</i> , 2020, 11, 182.	2.2	4
8	Acoustical Comparisons of Calling Songs from <i>Anastrepha</i> Species in Brazil. , 2020, , 37-42.		7
9	Detection of damaged wheat kernels using an impact acoustic signal processing technique based on Gaussian modelling and an improved extreme learning machine algorithm. <i>Biosystems Engineering</i> , 2019, 184, 37-44.	4.3	24
10	Subterranean Acoustic Activity Patterns of <i>Vitacea polistiformis</i> (Lepidoptera: Sesiidae) in Relation to Abiotic and Biotic Factors. <i>Insects</i> , 2019, 10, 267.	2.2	5
11	Effects of Hypoxia on Acoustic Activity of Two Stored-Product Pests, Adult Emergence, and Grain Quality. <i>Journal of Economic Entomology</i> , 2019, 112, 1989-1996.	1.8	14
12	Waterproof, low-cost, long-battery-life sound trap for surveillance of male <i>Aedes aegypti</i> for rear-and-release mosquito control programmes. <i>Parasites and Vectors</i> , 2019, 12, 417.	2.5	21
13	Acoustic, Pitfall Trap, and Visual Surveys of Stored Product Insect Pests in Kenyan Warehouses. <i>Insects</i> , 2019, 10, 105.	2.2	12
14	Vibrational Trapping and Interference with Mating of <i>Diaphorina citri</i> . <i>Animal Signals and Communication</i> , 2019, , 399-413.	0.8	7
15	External prior learning and internal mean sparse coding for image denoising. <i>Journal of Electronic Imaging</i> , 2019, 28, 1.	0.9	4
16	Acoustic Signal Applications in Detection and Management of <i>Rhynchophorus</i> spp. in Fruit-Crops and Ornamental Palms. <i>Florida Entomologist</i> , 2019, 102, 475.	0.5	15
17	An Acoustic Trap to Survey and Capture Two <i>Neoscapteriscus</i> Species. <i>Florida Entomologist</i> , 2019, 102, 654.	0.5	4
18	Identification and classification of damaged corn kernels with impact acoustics multi-domain patterns. <i>Computers and Electronics in Agriculture</i> , 2018, 150, 152-161.	7.7	9

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19	Kairomone activity of okra, <i>Abelmoschus esculentus</i> (L.) Moench genotypes on lepidopteran pests and their entomophages. <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 29-37.	2.5	5
20	Role of kairomone in biological control of crop pests-A review. <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 3-15.	2.5	32
21	Assessment of plant structural characteristics, health, and ecology using bioacoustic tools. <i>Proceedings of Meetings on Acoustics</i> , 2018, , .	0.3	13
22	Oxygen Consumption and Acoustic Activity of Adult <i>Callosobruchus maculatus</i> (F.) (Coleoptera: Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50 6	2.2	13
23	Acoustic Detection of <i>Mallodon dasystemus</i> (Coleoptera: Cerambycidae) in <i>Persea americana</i> (Laurales: Lauraceae) Branch Stumps. <i>Florida Entomologist</i> , 2018, 101, 321-323.	0.5	12
24	Detection and prediction of <i>Sitophilus oryzae</i> infestations in triticale via visible and near-infrared spectral signatures. <i>Journal of Stored Products Research</i> , 2017, 72, 1-10.	2.6	6
25	Bioacoustics of <i>Acanthoscelides obtectus</i> (Coleoptera: Chrysomelidae: Bruchinae) on <i>Phaseolus vulgaris</i> (Fabaceae). <i>Florida Entomologist</i> , 2017, 100, 109-115.	0.5	15
26	Effects of Hermetic Storage on Adult <i>Sitophilus oryzae</i> L. (Coleoptera: Curculionidae) Acoustic Activity Patterns and Mortality. <i>Journal of Economic Entomology</i> , 2017, 110, 2707-2715.	1.8	19
27	Acoustic Activity Cycles of <i>Rhynchophorus ferrugineus</i> (Coleoptera: Dryophthoridae) Early Instars After <i>Beauveria bassiana</i> (Hypocreales: Clavicipitaceae) Treatments. <i>Annals of the Entomological Society of America</i> , 2017, 110, 551-557.	2.5	12
28	Behavioral Responses of Male <i>Diaphorina citri</i> (Hemiptera: Liviidae) to Mating Communication Signals from Vibration Traps in Citrus (Sapindales: Rutaceae) Trees. <i>Florida Entomologist</i> , 2017, 100, 767-771.	0.5	5
29	Wingbeat Frequency-Sweep and Visual Stimuli for Trapping Male <i>Aedes aegypti</i> (Diptera: Culicidae). <i>Journal of Medical Entomology</i> , 2017, 54, 1415-1419.	1.8	22
30	Effect of Drying Conditions on Triticale Seed Germination and Rice Weevil Infestation. <i>Transactions of the ASABE</i> , 2017, 60, 571-575.	1.1	4
31	Effects of temperature and nonionizing ultraviolet radiation treatments of eggs of five host insects on production of <i>Trichogramma chilonis</i> Ishii (Hymenoptera: Trichogrammatidae) for biological control applications. <i>Journal of Asia-Pacific Entomology</i> , 2016, 19, 1139-1144.	0.9	15
32	Disrupting Mating Behavior of <i>Diaphorina citri</i> (Liviidae). <i>Journal of Economic Entomology</i> , 2016, 109, 2373-2379.	1.8	37
33	Frequency and time pattern differences in acoustic signals produced by <i>Prostephanus truncatus</i> (Horn) (Coleoptera: Bostrichidae) and <i>Sitophilus zeamais</i> (Motschulsky) (Coleoptera: Curculionidae) in stored maize. <i>Journal of Stored Products Research</i> , 2016, 69, 31-40.	2.6	17
34	A New EEMD-Based Scheme for Detection of Insect Damaged Wheat Kernels Using Impact Acoustics. <i>Acta Acustica United With Acustica</i> , 2016, 102, 1108-1117.	0.8	4
35	A "Walker" Tool to Place <i>Diaphorina citri</i> (Hemiptera: Liviidae) Adults at Predetermined Sites for Bioassays of Behavior in Citrus (Sapindales: Rutaceae) Trees. <i>Florida Entomologist</i> , 2016, 99, 308-310.	0.5	7
36	Acoustic Detection of <i>Rhynchophorus ferrugineus</i> (Coleoptera: Dryophthoridae) and <i>Oryctes elegans</i> (Coleoptera: Scarabaeidae) in <i>Phoenix dactylifera</i> (Arecaceae) Trees and Offshoots in Saudi Arabian Orchards. <i>Journal of Economic Entomology</i> , 2016, 109, 622-628.	1.8	25

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37	Vibrational duetting mimics to trap and disrupt mating of the devastating Asian citrus psyllid insect pest. Proceedings of Meetings on Acoustics, 2015, , .	0.3	13
38	Effects of Atmospheric Pressure Trends on Calling, Mate-Seeking, and Phototaxis of <i>Diaphorina citri</i> (Hemiptera: Liviidae). Annals of the Entomological Society of America, 2015, 108, 762-770.	2.5	24
39	Acoustic Assessment of <i>Beauveria bassiana</i> (Hypocreales: Clavicipitaceae) Effects on <i>Rhynchophorus ferrugineus</i> (Coleoptera: Dryophthoridae) Larval Activity and Mortality. Journal of Economic Entomology, 2015, 108, 444-453.	1.8	29
40	Characterization of Sounds in Maize Produced by Internally Feeding Insects: Investigations to Develop Inexpensive Devices for Detection of <i>Prostephanus truncatus</i> (Coleoptera: Bostrichidae) and <i>Sitophilus zeamais</i> (Coleoptera: Curculionidae) in Small-Scale Storage Facilities in Sub-Saharan Africa. Florida Entomologist, 2015, 98, 405-409.	0.5	18
41	Acoustic Detectability of <i>Rhynchophorus cruentatus</i> (Coleoptera: Dryophthoridae). Florida Entomologist, 2014, 97, 431-438.	0.5	20
42	Almond moth oviposition patterns in continuous layers of peanuts. Journal of Stored Products Research, 2014, 59, 48-54.	2.6	11
43	Instant Symposium "Connecting with the World's Best Talent: Attracting and Retaining Diverse Entomologists. American Entomologist, 2014, 60, 146-159.	0.2	2
44	Automatic detection and identification of brown stink bug, <i>Euschistus servus</i> , and southern green stink bug, <i>Nezara viridula</i> , (Heteroptera: Pentatomidae) using intraspecific substrate-borne vibrational signals. Computers and Electronics in Agriculture, 2013, 91, 154-159.	7.7	27
45	Responses of <i>Diaphorina citri</i> (Hemiptera: Psyllidae) to Conspecific Vibrational Signals and Synthetic Mimics. Annals of the Entomological Society of America, 2013, 106, 392-399.	2.5	32
46	<i>Diaphorina citri</i> (Hemiptera: Liviidae) Responses to Microcontroller-Buzzer Communication Signals of Potential Use in Vibration Traps. Florida Entomologist, 2013, 96, 1546-1555.	0.5	38
47	Synchronized Rearing of Mated and Unmated <i>Diaphorina Citri</i> (Hemiptera: Liviidae) of Known Age. Florida Entomologist, 2013, 96, 1631-1634.	0.5	10
48	Acoustical Detection of Early Instar <i>Rhynchophorus ferrugineus</i> (Coleoptera: Curculionidae) in Canary Island Date Palm, <i>Phoenix canariensis</i> (Arecaceae). Florida Entomologist, 2012, 95, 983-990.	0.5	24
49	Stridulation by <i>Jadera haematoloma</i> (Hemiptera: Rhopalidae): Production Mechanism and Associated Behaviors. Annals of the Entomological Society of America, 2012, 105, 118-127.	2.5	9
50	Recent Developments in the use of Acoustic Sensors and Signal Processing Tools to Target Early Infestations of Red Palm Weevil in Agricultural Environments. Florida Entomologist, 2011, 94, 761-765.	0.5	38
51	Pheromone-Food-Bait Trap and Acoustic Surveys of <i>Rhynchophorus ferrugineus</i> (Coleoptera: Curculionidae) in Agricultural Environments. Florida Entomologist, 2011, 94, 733-736.	0.5	15
52	New Initiatives for Management of Red Palm Weevil Threats to Historical Arabian Date Palms. Florida Entomologist, 2011, 94, 733-736.	0.5	24
53	Context-Dependent Stridulatory Responses of <i>Leptogenys kitteli</i> (Hymenoptera: Formicidae) to Social, Prey, and Disturbance Stimuli. Annals of the Entomological Society of America, 2011, 104, 1012-1020.	2.5	14
54	Acoustic Detection of Arthropod Infestation of Grape Roots: Scouting for Grape Root Borer (Lepidoptera: Sesiiidae). Florida Entomologist, 2011, 94, 296-302.	0.5	3

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55	Eavesdropping on coconut rhinoceros beetles, red palm weevils, Asian longhorned beetles, and other invasive travelers. Proceedings of Meetings on Acoustics, 2011, , .	0.3	1
56	Red palm weevil ( <i>Rhynchophorus ferrugineus</i> ), an invasive pest recently found in the Caribbean that threatens the region. EPPO Bulletin, 2011, 41, 116-121.	0.8	24
57	Role of Emerald Ash Borer (Coleoptera: Buprestidae) Larval Vibrations in Host-Quality Assessment by <i>Tetrastichus planipennis</i> (Hymenoptera: Eulophidae). Journal of Economic Entomology, 2011, 104, 81-86.	1.8	28
58	Applications and Mechanisms of Wax-Based Semiochemical Dispenser Technology for Disruption of Grape Root Borer Mating. Journal of Economic Entomology, 2011, 104, 939-946.	1.8	4
59	Identification of an attractant for the nine-banded armadillo, <i>Dasypus novemcinctus</i> . Wildlife Society Bulletin, 2011, 35, 421-429.	1.6	9
60	Perspective and Promise: a Century of Insect Acoustic Detection and Monitoring. American Entomologist, 2011, 57, 30-44.	0.2	161
61	Characterization of Substrate-Borne Vibrational Signals of <i>Euschistus servus</i> (Heteroptera: Coreidae). Journal of Economic Entomology, 2011, 104, 107-114.	0.4	6
62	Acoustic Indicators for Targeted Detection of Stored Product and Urban Insect Pests by Inexpensive Infrared, Acoustic, and Vibrational Detection of Movement. Journal of Economic Entomology, 2010, 103, 1636-1646.	1.8	30
63	Acoustic Detection of <i>Oryctes rhinoceros</i> (Coleoptera: Scarabaeidae: Dynastinae) and <i>Nasutitermes luzonicus</i> (Isoptera: Termitidae) in Palm Trees in Urban Guam. Journal of Economic Entomology, 2010, 103, 1135-1143.	1.8	27
64	Vibrational Communication Between the Sexes in <i>Diaphorina citri</i> (Hemiptera: Psyllidae). Annals of the Entomological Society of America, 2009, 102, 547-555.	2.5	61
65	Acoustic Detection of Melon-thine Larvae in Australian Sugarcane. Journal of Economic Entomology, 2009, 102, 1523-1535.	1.8	24
66	Acoustic Characteristics of Dynastid Beetle Stridulations. Florida Entomologist, 2009, 92, 123-133.	0.5	15
67	Temporal and Spectral features of Sounds of wood-boring Beetle Larvae: Identifiable patterns of Activity enable improved discrimination from background noise. Florida Entomologist, 2008, 91, 241-248.	0.5	61
68	Detection of <i>Anoplophora glabripennis</i> (Coleoptera: Cerambycidae) Larvae in Different Host Trees and Tissues by Automated Analyses of Sound-Impulse Frequency and Temporal Patterns. Journal of Economic Entomology, 2008, 101, 838-849.	1.8	49
69	Time-Pattern and Frequency Analyses of Sounds Produced by Irradiated and Untreated Male <i>Bactrocera tryoni</i> (Diptera: Tephritidae) During Mating Behavior. Annals of the Entomological Society of America, 2008, 101, 664-674.	2.5	37
70	Detection of <i>Anoplophora glabripennis</i> (Coleoptera: Cerambycidae) Larvae in Different Host Trees and Tissues by Automated Analyses of Sound-Impulse Frequency and Temporal Patterns. Journal of Economic Entomology, 2008, 101, 838-849.	1.8	50
71	New experimental techniques for studying root herbivores.. , 2008, , 20-32.		6
72	Acoustic Indicators for Mapping Infestation Probabilities of Soil Invertebrates. Journal of Economic Entomology, 2007, 100, 790-800.	1.8	34

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73	Non-invasive techniques for investigating and modelling root-feeding insects in managed and natural systems. <i>Agricultural and Forest Entomology</i> , 2007, 9, 39-46.	1.3	39
74	Acoustic Indicators for Mapping Infestation Probabilities of Soil Invertebrates. <i>Journal of Economic Entomology</i> , 2007, 100, 790-800.	1.8	19
75	Geophone Detection of Subterranean Termite and Ant Activity. <i>Journal of Economic Entomology</i> , 2006, 99, 244-250.	1.8	21
76	Effects of Millet, Wheat, Rice, and Sorghum Diets on Development of <i>Corcyra cephalonica</i> (Stainton) (Lepidoptera: Galleriidae) and Its Suitability as a Host for <i>Trichogramma chilonis</i> Ishii (Hymenoptera: Trichogrammatidae). <i>Environmental Entomology</i> , 2006, 35, 784-788.	1.4	33
77	INCREASE IN ACOUSTIC DETECTABILITY OF PLODIA INTERPUNCTELLA LARVAE AFTER LOW-ENERGY MICROWAVE RADAR EXPOSURE. <i>Florida Entomologist</i> , 2006, 89, 416-418.	0.5	5
78	Geophone Detection of Subterranean Termite and Ant Activity. <i>Journal of Economic Entomology</i> , 2006, 99, 244-250.	1.8	18
79	ACOUSTIC TRAP FOR FEMALE MEDITERRANEAN FRUIT FLIES. <i>Transactions of the American Society of Agricultural Engineers</i> , 2005, 48, 2017-2022.	0.9	15
80	ENTOMOLOGICAL WEBSITE USAGE PATTERNS. <i>Florida Entomologist</i> , 2005, 88, 285-291.	0.5	2
81	Microwave Radar Detection of Stored-Product Insects. <i>Journal of Economic Entomology</i> , 2004, 97, 1168-1173.	1.8	15
82	Broadcasts of Wing-Fanning Vibrations Recorded from Calling Male <i>Ceratitis capitata</i> (Diptera: Tephritidae) Increase Captures of Females in Traps. <i>Journal of Economic Entomology</i> , 2004, 97, 1299-1309.	1.8	12
83	Broadcasts of Wing-Fanning Vibrations Recorded from Calling Male <i>Ceratitis capitata</i> (Diptera: Tephritidae) Increase Captures of Females in Traps. <i>Journal of Economic Entomology</i> , 2004, 97, 1299-1309.	1.8	17
84	Wing-Click Sounds of <i>Heliconius cydno alithea</i> (Nymphalidae: Heliconiinae) Butterflies. <i>Journal of Insect Behavior</i> , 2004, 17, 329-335.	0.7	5
85	Microwave Radar Detection of Stored-Product Insects. <i>Journal of Economic Entomology</i> , 2004, 97, 1168-1173.	1.8	9
86	Acoustic Estimation of Infestations and Population Densities of White Grubs (Coleoptera: Scarabaeidae). <i>Journal of Economic Entomology</i> , 2003, 96, 1704-1710.	1.8	22
87	Acoustic Identification and Measurement of Activity Patterns of White Grubs in Soil. <i>Journal of Economic Entomology</i> , 2003, 96, 1704-1710.	1.8	29
88	Acoustic Identification and Measurement of Activity Patterns of White Grubs in Soil. <i>Journal of Economic Entomology</i> , 2003, 96, 1704-1710.	1.8	16
89	Acoustic Estimation of Infestations and Population Densities of White Grubs (Coleoptera: Scarabaeidae). <i>Journal of Economic Entomology</i> , 2003, 96, 1704-1710.	1.8	19
90	INCREASE IN ACOUSTIC DETECTABILITY OF PLODIA INTERPUNCTELLA (LEPIDOPTERA: PYRALIDAE) LARVAE IN STORED PRODUCTS AFTER ELECTRICAL STIMULATION. <i>Florida Entomologist</i> , 2002, 85, 524-526.	0.5	3

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91	Acoustic Detection of Termite Infestations in Urban Trees. <i>Journal of Economic Entomology</i> , 2002, 95, 981-988.	1.8	63
92	Insect infestation of a botanicals warehouse in north-central Florida. <i>Journal of Stored Products Research</i> , 2002, 38, 349-363.	2.6	52
93	Acoustic Detection of Termite Infestations in Urban Trees. <i>Journal of Economic Entomology</i> , 2002, 95, 981-988.	1.8	39
94	Acoustic Detection of Black Vine Weevil, <i>Otiorhynchus sulcatus</i> (Fabricius) (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (2002, 20, 166-170.	0.5	11
95	Mapping of Soil Insect Infestations Sampled by Excavation and Acoustic Methods. <i>Journal of Economic Entomology</i> , 2001, 94, 1452-1458.	1.8	32
96	Acoustic Surveying of Subterranean Insect Populations in Citrus Groves. <i>Journal of Economic Entomology</i> , 2001, 94, 853-859.	1.8	22
97	Eavesdropping on Insects Hidden in Soil and Interior Structures of Plants. <i>Journal of Economic Entomology</i> , 2000, 93, 1173-1182.	1.8	83
98	Monitoring Insect Pests in Retail Stores by Trapping and Spatial Analysis. <i>Journal of Economic Entomology</i> , 2000, 93, 1531-1542.	1.8	100
99	Exposure to Male Pheromones Enhances <i>Anastrepha suspensa</i> (Diptera: Tephritidae) Female Response to Male Calling Song. <i>Florida Entomologist</i> , 2000, 83, 411.	0.5	14
100	Active Spaces of Pheromone Traps for <i>Plodia interpunctella</i> (Lepidoptera: Pyralidae) in Enclosed Environments. <i>Environmental Entomology</i> , 1999, 28, 557-565.	1.4	31
101	Thermal Treatments to Increase Acoustic Detectability of <i>Sitophilus oryzae</i> (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 627 Td (1997, 26, 18-22.	1.8	18
102	Acoustic Counting of Adult Insects with Differing Rates and Intensities of Sound Production in Stored Wheat. <i>Journal of Economic Entomology</i> , 1997, 90, 1032-1038.	1.8	32
103	Shielding against noise interfering with quantitation of insect infestations by acoustic detection systems in grain elevators. <i>Applied Acoustics</i> , 1997, 50, 309-323.	3.3	15
104	Optimizing and assessing the performance of an algorithm that cross-correlates acquired acoustic emissions from internally feeding larvae to count infested wheat kernels in grain samples. <i>Applied Acoustics</i> , 1997, 50, 297-308.	3.3	9
105	Quantifying larval infestation with an acoustical sensor array and cluster analysis of cross-correlation outputs. <i>Applied Acoustics</i> , 1997, 50, 279-296.	3.3	25
106	Noise Shielding of Acoustic Devices for Insect Detection. <i>Journal of Economic Entomology</i> , 1996, 89, 1301-1308.	1.8	29
107	A Commitment to the Future: Precollegiate Science Educational Outreach. <i>American Entomologist</i> , 1996, 42, 244-247.	0.2	0
108	Three-Dimensional Orientation of Male <i>Cadra cautella</i> (Lepidoptera: Pyralidae) Flying to Calling Females in a Windless Environment. <i>Environmental Entomology</i> , 1995, 24, 1616-1626.	1.4	14

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109	Acoustical detection of <i>Aedes taeniorhynchus</i> swarms and emergence exoduses in remote salt marshes. <i>Journal of the American Mosquito Control Association</i> , 1994, 10, 302-8.	0.7	19
110	Quantitative Acoustical Detection of Larvae Feeding Inside Kernels of Grain. <i>Journal of Economic Entomology</i> , 1993, 86, 933-938.	1.8	43
111	Sensitivity of <i>Trichoplusia ni</i> (Hübner) pheromone receptor neurons: Relationships between neural thresholds and behavioral responses. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1991, 168, 739.	1.6	3
112	A new <i>Trichoplusia ni</i> antennal receptor neuron that responds to attomolar concentrations of a minor pheromone component. <i>Experientia</i> , 1990, 46, 257-259.	1.2	13
113	Neurophysiological responses of pheromone-sensitive receptor neurons on the antenna of <i>Trichoplusia ni</i> (Hübner) to pulsed and continuous stimulation regimens. <i>Chemical Senses</i> , 1989, 14, 449-462.	2.0	23
114	Responses from sensilla on antennae of male <i>Heliothis zea</i> to its major pheromone component and two analogs. <i>Journal of Chemical Ecology</i> , 1989, 15, 2625-2634.	1.8	25
115	A Linkage between Coding of Quantity and Quality of Pheromone Gland Components by Receptor Cells of <i>Trichoplusia ni</i> . <i>Annals of the New York Academy of Sciences</i> , 1987, 510, 483-484.	3.8	3
116	Quantitative comparison of behavioral and neurophysiological responses of insects to odorants. <i>Journal of Chemical Ecology</i> , 1987, 13, 509-531.	1.8	23
117	A microcomputer-controlled response measurement and analysis system for insect olfactory receptor neurons. <i>Journal of Neuroscience Methods</i> , 1987, 20, 307-322.	2.5	12
118	The insect antenna is not a molecular sieve. <i>Experientia</i> , 1984, 40, 1251-1252.	1.2	17
119	Quantitation of the insect electroantennogram: Measurement of sensillar contributions, elimination of background potentials, and relationship to olfactory sensation. <i>Journal of Insect Physiology</i> , 1984, 30, 757-763.	2.0	53
120	Stimulus-response relationships of insect olfaction: Correlations among neurophysiological and behavioral measures of response. <i>Journal of Theoretical Biology</i> , 1983, 100, 613-630.	1.7	14
121	A phenomenological model of the perceived intensity of single odorants. <i>Journal of Theoretical Biology</i> , 1983, 100, 123-138.	1.7	10
122	Morphological Correlates of Differences in Pheromone Sensitivity in Insect Sensilla. <i>Science</i> , 1983, 220, 1408-1410.	12.6	66
123	Female Calling Behavior in <i>Ephestia elutella</i> and <i>E. figulilella</i> (Lepidoptera: Pyralidae). <i>Florida Entomologist</i> , 1983, 66, 249.	0.5	13
124	Pheromone-Mediated Flight by Male <i>Plodia interpunctella</i> (Hübner) (Lepidoptera: Pyralidae). <i>Environmental Entomology</i> , 1983, 12, 1218-1222.	1.4	14
125	External antennal morphometry of <i>Trichoplusia Ni</i> (Hübner) (Lepidoptera: Noctuidae). <i>Arthropod Structure and Development</i> , 1981, 10, 185-201.	0.4	20
126	Recent Developments in the Use of Pheromones to Monitor <i>Plodia Interpunctella</i> and <i>Ephestia Cautella</i> . , 1981, , 19-28.		9



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127	Anemotactic response threshold of the Indian meal moth, <i>Plodia interpunctella</i> (Hübner) (Lepidoptera: Tj ETQq1 1.0.784314 rgBT / 1.8 12	1.8	35
128	Models for dispersal of vapors in open and confined spaces: Applications to sex pheromone trapping in a warehouse. <i>Journal of Chemical Ecology</i> , 1980, 6, 929-950.	2.1	3
129	Insects as unidentified flying objects: author's reply to comments; 2. <i>Applied Optics</i> , 1979, 18, 2725.	2.1	9
130	Insects as unidentified flying objects. <i>Applied Optics</i> , 1978, 17, 3355.	2.5	3
131	Derivation of equations which relate the effective surface charge density of a dielectric or electret to measurable parameters. <i>Journal of Applied Physics</i> , 1977, 48, 1372-1374.	1.0	54
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