David A Andow

List of Publications by Year
in descending order

120 papers	9,311 citations	47006 47 h-index	49909 87 g-index
124 all docs	124 docs citations	124 times ranked	5960 citing authors

#	Article	IF	Citations
1	Metabarcoding versus mapping unassembled shotgun reads for identification of prey consumed by arthropod epigeal predators. GigaScience, 2022, 11, .	6.4	7
2	Scrutinizing the enemy release hypothesis: population effects of parasitoids on Harmonia axyridis and local host coccinellids in Brazil. BioControl, 2021, 66, 71-82.	2.0	12
3	Integrating adverse effect analysis into environmental risk assessment for exotic generalist arthropod biological control agents: a three-tiered framework. BioControl, 2021, 66, 113-139.	2.0	7
4	Exotic generalist arthropod biological control agents: need to improve environmental risk assessment to ensure safe use. BioControl, 2021, 66, 1-8.	2.0	4
5	Melting curve analysis for detection and identification of ghost parasitoids in host carcasses a month after host death. Methods in Ecology and Evolution, 2021, 12, 1552-1561.	5.2	2
6	Investigating the Movement Components of Host Preference in a Highly Mobile Insect Herbivore, Nephotettix cincticeps (Hemiptera: Cicadellidae). Environmental Entomology, 2020, 49, 115-122.	1.4	2
7	First detection of a Sesamia nonagrioides resistance allele to Bt maize in Europe. Scientific Reports, 2018, 8, 3977.	3.3	20
8	Landscape Effects on Reproduction of Euschistus servus (Hemiptera: Pentatomidae), a Mobile, Polyphagous, Multivoltine Arthropod Herbivore. Environmental Entomology, 2018, 47, 660-668.	1.4	11
9	Cry1Ac resistance allele frequency in field populations of Helicoverpa armigera (HÃ¼bner) collected in Telangana and Andhra Pradesh, India. Crop Protection, 2018, 107, 34-40.	2.1	15
10	Optimal management strategy of insecticide resistance under various insect life histories: Heterogeneous timing of selection and interpatch dispersal. Evolutionary Applications, 2018, 11, 271-283.	3.1	67
11	Landscape Effects on Solenopsis invicta (Hymenoptera: Formicidae) and Geocoris spp. (Hemiptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 2018, 47, 1057-1063.	1.4	1
12	Is a larger refuge always better? Dispersal and dose in pesticide resistance evolution. Evolution; International Journal of Organic Evolution, 2017, 71, 1494-1503.	2.3	11
13	Spatio-Temporal Variation in Landscape Composition May Speed Resistance Evolution of Pests to Bt Crops. PLoS ONE, 2017, 12, e0169167.	2.5	24
14	Uncovering Trophic Interactions in Arthropod Predators through DNA Shotgun-Sequencing of Gut Contents. PLoS ONE, 2016, 11, e0161841.	2.5	56
15	Frequency of Cry1F resistance alleles in Spodoptera frugiperda (Lepidoptera: Noctuidae) in Brazil. Pest Management Science, 2016, 72, 2295-2302.	3.4	33
16	Identification and expression profile of odorantâ€binding proteins in Halyomorpha halys (Hemiptera: Pentatomidae). Insect Molecular Biology, 2016, 25, 580-594.	2.0	87
17	Densityâ€dependent population regulation detected in short time series of saproxylic beetles. Population Ecology, 2016, 58, 493-505.	1.2	7
18	Recruitment and Retention of Volunteers in a Citizen Science Network to Detect Invasive Species on Private Lands. Environmental Management, 2016, 58, 606-618.	2.7	25

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19	Competitive release and outbreaks of nonâ€target pests associated with transgenic Bt cotton. Ecological Applications, 2016, 26, 1047-1054.	3.8	36
20	Dominance of <scp>Cry1F</scp> resistance in Spodoptera frugiperda (Lepidoptera: Noctuidae) on <scp>TC1507</scp>Bt maize in Brazil. Pest Management Science, 2016, 72, 974-979.	3.4	43
21	Early Detection and Mitigation of Resistance toBtMaize by Western Corn Rootworm (Coleoptera: Chrysomelidae). Journal of Economic Entomology, 2016, 109, 1-12.	1.8	87
22	Sixteen Years of Bt Maize in the EU Hotspot: Why Has Resistance Not Evolved?. PLoS ONE, 2016, 11, e0154200.	2.5	30
23	Behavioural and chemical mechanisms of plantâ€mediated deterrence and attraction among frugivorous insects. Ecological Entomology, 2015, 40, 532-542.	2.2	2
24	Detection and decay rates of prey and prey symbionts in the gut of a predator through metagenomics. Molecular Ecology Resources, 2015, 15, 880-892.	4.8	59
25	Dynamics of cannibalism in equalâ€aged cohorts of <scp>S</scp>podoptera frugiperda. Ecological Entomology, 2015, 40, 229-236.	2.2	27
26	A Likelihood-Based Biostatistical Model for Analyzing Consumer Movement in Simultaneous Choice Experiments. Environmental Entomology, 2014, 43, 977-988.	1.4	6
27	Field-evolved resistance to Cry1F maize by Spodoptera frugiperda (Lepidoptera: Noctuidae) in Brazil. Crop Protection, 2014, 64, 150-158.	2.1	344
28	Cry1F Resistance in Fall Armyworm Spodoptera frugiperda: Single Gene versus Pyramided Bt Maize. PLoS ONE, 2014, 9, e112958.	2.5	247
29	Bitrophic toxicity of Cry1Ac to <scp>C</scp>ycloneda sanguinea, a predator in <scp>B</scp>razilian cotton. Entomologia Experimentalis Et Applicata, 2013, 148, 105-115.	1.4	7
30	Release of genetically engineered insects: a framework to identify potential ecological effects. Ecology and Evolution, 2013, 3, 4000-4015.	1.9	39
31	Contamination and management of resistance evolution to high-dose transgenic insecticidal crops. Theoretical Ecology, 2012, 5, 195-209.	1.0	21
32	The evolution of resistance to two-toxin pyramid transgenic crops. , 2011, 21, 503-515.		83
33	Colonization preference of Euschistus servus and Nezara viridula in transgenic cotton varieties, peanut, and soybean. Entomologia Experimentalis Et Applicata, 2011, 139, 161-169.	1.4	38
34	Success of the high-dose/refuge resistance management strategy after 15â€ƒyears of Bt crop use in North America. Entomologia Experimentalis Et Applicata, 2011, 140, 1-16.	1.4	246
35	Competition between stink bug and heliothine caterpillar pests on cotton at within-plant spatial scales. Entomologia Experimentalis Et Applicata, 2011, 141, 59-70.	1.4	31
36	Assessing unintended effects of GM plants on biological species. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2011, 6, 119-124.	1.4	1

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37	Conundrums of a complex vector for invasive species control: a detailed examination of the horticultural industry. Biological Invasions, 2010, 12, 2837-2851.	2.4	85
38	Earthworm populations in a northern U.S. Cornbelt soil are not affected by long-term cultivation of Bt maize expressing Cry1Ab and Cry3Bb1 proteins. Soil Biology and Biochemistry, 2010, 42, 1284-1292.	8.8	32
39	Pedigreed crosses to estimate recessive virulence allele frequencies in natural populations of gall midges. Entomologia Experimentalis Et Applicata, 2010, 135, 18-36.	1.4	8
40	Planting Patterns of In-Field Refuges Observed for Bt Maize in Minnesota. Journal of Economic Entomology, 2010, 103, 1394-1399.	1.8	13
41	Evaluating Resistance to Bt Toxin Cry1Ab by F₂ Screen in European Populations of Ostrinia nubilalis (Lepidoptera: Crambidae). Journal of Economic Entomology, 2010, 103, 1803-1809.	1.8	24
42	<I>Bacillus thuringiensis</I> Cry1Ac Resistance Frequency in Tobacco Budworm (Lepidoptera: Noctuidae). Journal of Economic Entomology, 2009, 102, 381-387.	1.8	32
43	Using an F₂ screen to monitor frequency of resistance alleles to Bt cotton in field populations of Helicoverpa armigera (HÃ¼bner) (Lepidoptera: Noctuidae). Pest Management Science, 2009, 65, 391-397.	3.4	33
44	Cry Toxins and Proteinase Inhibitors in Transgenic Plants Do Have Non-Zero Effects on Natural Enemies in the Laboratory: Rebuttal to Shelton et al. 2009: Table 1.. Environmental Entomology, 2009, 38, 1528-1532.	1.4	16
45	Transgenic Insecticidal Crops and Natural Enemies: A Detailed Review of Laboratory Studies. Environmental Entomology, 2009, 38, 293-306.	1.4	143
46	Absence Makes the Heart Grow Fonder: Isolation Enhances the Frequency of Mating in Coleomegilla maculata (Coleoptera: Coccinellidae). Journal of Insect Behavior, 2008, 21, 495-504.	0.7	14
47	Verifying an F₁ screen for identification and quantification of rare BacillusÂthuringiensis resistance alleles in field populations of the sugarcane borer, DiatraeaÂsaccharalis. Entomologia Experimentalis Et Applicata, 2008, 129, 172-180.	1.4	33
48	Microbial Populations and Enzyme Activities in Soil In Situ under Transgenic Corn Expressing Cry Proteins fromBacillus thuringiensis. Journal of Environmental Quality, 2008, 37, 647-662.	2.0	147
49	Non-target and biological diversity risk assessment.. , 2008, , 115-137.		3
50	Sugarcane Borer (Lepidoptera: Crambidae) Resistance to Transgenic <I>Bacillus thuringiensis</I> Maize. Journal of Economic Entomology, 2007, 100, 164-171.	1.8	63
51	Sugarcane Borer (Lepidoptera: Crambidae) Resistance to Transgenic Bacillus thuringiensis Maize. Journal of Economic Entomology, 2007, 100, 164-171.	1.8	69
52	Frequency of Resistance to Bacillus thuringiensis Toxin Cry1Ab in Greek and Spanish Population of Sesamia nonagrioides (Lepidoptera: Noctuidae). Journal of Economic Entomology, 2007, 100, 195-201.	1.8	32
53	Stress and domestication traits increase the relative fitness of crop?wild hybrids in sunflower. Ecology Letters, 2007, 10, 383-393.	6.4	115
54	Frequency of alleles conferring resistance to Bacillus thuringiensis maize in Louisiana populations of the southwestern corn borer. Entomologia Experimentalis Et Applicata, 2007, 122, 53-58.	1.4	27

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55	Frequency of Resistance to <I>Bacillus thuringiensis</I> Toxin Cry1Ab in Greek and Spanish Population of <I>Sesamia nonagrioides</I> (Lepidoptera: Noctuidae). Journal of Economic Entomology, 2007, 100, 195-201.	1.8	43
56	Influence of floral resources on sugar feeding and nutrient dynamics of a parasitoid in the field. Ecological Entomology, 2006, 31, 470-480.	2.2	81
57	Assessing environmental risks of transgenic plants. Ecology Letters, 2006, 9, 196-214.	6.4	273
58	Ecological risk assessment for Bt crops. Nature Biotechnology, 2006, 24, 749-751.	17.5	59
59	Frequency and fitness cost of resistance to Bacillus thuringiensis in Chrysomela tremulae (Coleoptera: Chrysomelidae). Heredity, 2006, 97, 127-134.	2.6	41
60	Habitat modification contributes to associational resistance between herbivores. Oecologia, 2006, 148, 482-490.	2.0	31
61	Frequency of Resistance to Bacillus thuringiensis Toxin Cry1Ab in Southern United States Corn Belt Population of European Corn Borer (Lepidoptera: Crambidae). Journal of Economic Entomology, 2006, 99, 502-507.	1.8	74
62	BIOLOGICAL INVASIONS: RECOMMENDATIONS FOR U.S. POLICY AND MANAGEMENT. , 2006, 16, 2035-2054.		722
63	Frequency of Resistance to <I>Bacillus thuringiensis</I> Toxin Cry1Ab in Southern United States Corn Belt Population of European Corn Borer (Lepidoptera: Crambidae). Journal of Economic Entomology, 2006, 99, 502-507.	1.8	41
64	Methodology to support non-target and biodiversity risk assessment.. , 2006, , 108-132.		7
65	Response of coccinellids to their aphid prey at different spatial scales. Population Ecology, 2005, 47, 71-76.	1.2	64
66	Multifunctional Agriculture in the United States. BioScience, 2005, 55, 27.	4.9	213
67	Hostâ€“Parasitoid Interactions in a Transgenic Landscape: Spatial Proximity Effects of Host Density. Environmental Entomology, 2005, 34, 1493-1500.	1.4	19
68	Natural Enemies and the Evolution of Resistance to Transgenic Insecticidal Crops by Pest Insects: The Role of Egg Mortality. Environmental Entomology, 2005, 34, 512-526.	1.4	19
69	GENETICALLY ENGINEERED ORGANISMS AND THE ENVIRONMENT: CURRENT STATUS AND RECOMMENDATIONS1. , 2005, 15, 377-404.		260
70	Field evidence for the exposure of ground beetles to Cry1Ab from transgenic corn. Environmental Biosafety Research, 2005, 4, 113-117.	1.1	50
71	Ecological Context for Examining the Effects of Transgenic Crops in Production Systems. Journal of Crop Improvement, 2004, 12, 457-489.	1.7	2
72	F₂ Screen Variations and Associated Statistics. Journal of Economic Entomology, 2004, 97, 1756-1764.	1.8	49

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73	Population genetics of transgene containment. Ecology Letters, 2004, 7, 213-220.	6.4	49
74	Science-Based Risk Assessment for Nontarget Effects of Transgenic Crops. BioScience, 2004, 54, 637.	4.9	147
75	Frequency of alleles conferring resistance to Bt maize in French and US corn belt populations of the European corn borer, Ostrinia nubilalis. Theoretical and Applied Genetics, 2003, 106, 1225-1233.	3.6	107
76	Inheritance of host finding ability on structurally complex surfaces. Oecologia, 2003, 136, 324-328.	2.0	9
77	Herbivore response to vegetational diversity: spatial interaction of resources and natural enemies. Population Ecology, 2003, 45, 75-81.	1.2	24
78	UK farm-scale evaluations of transgenic herbicide-tolerant crops. Nature Biotechnology, 2003, 21, 1453-1454.	17.5	26
79	Oak Savanna Subhabitat Variation and the Population Biology of <I>Lycaeides melissa samuelis</I> (Lepidoptera: Lycaenidae). Annals of the Entomological Society of America, 2003, 96, 799-809.	2.5	22
80	Consequences of recurrent gene flow from crops to wild relatives. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1879-1886.	2.6	132
81	COMMUNITY GENETICS: EXPANDING THE SYNTHESIS OF ECOLOGY AND GENETICS. Ecology, 2003, 84, 545-558.	3.2	110
82	Editorial: Negative and positive data, statistical power, and confidence intervals. Environmental Biosafety Research, 2003, 2, 75-80.	1.1	22
83	MONITORING AND ADAPTIVE RESISTANCE MANAGEMENT. , 2002, 12, 1378-1390.		72
84	Evolution of resistance to Bt crops: directional selection in structured environments. Ecology Letters, 2002, 5, 792-801.	6.4	95
85	Inheritance of an oviposition behavior by an egg parasitoid. Heredity, 2002, 88, 437-443.	2.6	8
86	Resisting resistance to Bt-corn. , 2001, , 99-124.		8
87	Frequency of Resistance to <I>Bacillus thuringiensis</I> Toxin Cry1Ab in an Iowa Population of European Corn Borer (Lepidoptera: Crambidae). Journal of Economic Entomology, 2000, 93, 26-30.	1.8	109
88	Frequency of Alleles Conferring Resistance to a <I>Bacillus thuringiensis</I> Toxin in a Philippine Population of <I>Scirpophaga incertulas</I> (Lepidoptera: Pyralidae). Journal of Economic Entomology, 2000, 93, 1515-1521.	1.8	36
89	An In-Field Screen for Early Detection and Monitoring of Insect Resistance to <I>Bacillus thuringiensis</I> in Transgenic Crops. Journal of Economic Entomology, 2000, 93, 1055-1064.	1.8	44
90	Long-Term Selection for Resistance to Bacillus thuringiensis Cry1Ac Endotoxin in a Minnesota Population of European Corn Borer (Lepidoptera: Crambidae). Journal of Economic Entomology, 1999, 92, 1021-1030.	1.8	74

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91	Mortality of Coccinellid (Coleoptera: Coccinellidae) Larvae and Pupae When Prey Become Scarce. Environmental Entomology, 1999, 28, 1092-1100.	1.4	59
92	CANNIBALISM AND INTERSPECIFIC PREDATION:ROLE OF OVIPOSITION BEHAVIOR. , 1999, 9, 418-428.		26
93	Using an F2 Screen to Search for Resistance Alleles to Bacillus thuringiensis Toxin in European Corn Borer (Lepidoptera: Crambidae). Journal of Economic Entomology, 1998, 91, 579-584.	1.8	102
94	Larval Crowding and Adult Nutrition Effects on Longevity and Fecundity of Female Trichogramma nubilale Ertle & Davis (Hymenoptera: Trichogrammatidae). Environmental Entomology, 1998, 27, 508-514.	1.4	78
95	F2 Screen for Rare Resistance Alleles. Journal of Economic Entomology, 1998, 91, 572-578.	1.8	247
96	Evolution of Insect Resistance to Bacillus thuringiensis-Transformed Plants. Science, 1996, 273, 1412-1413.	12.6	28
97	Limitations of Trichogramma nubilale (Hymenoptera: Trichogrammatidae) as an Inundative Biological Control of Ostrinia nubilalis (Lepidoptera: Crambidae). Environmental Entomology, 1995, 24, 1352-1357.	1.4	29
98	Managing the Evolution of Insect Resistance to Transgenic Plants. Science, 1995, 268, 1894-1896.	12.6	339
99	Egg Weight, Fecundity, and Longevity Are Increased by Adult Feeding in Ostrinia nubilalis (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	68
100	Specialization of Phytophagous Arthropod Communities on Introduced Plants. Ecology, 1994, 75, 296-300.	3.2	44
101	Suppression of Ostrinia nubilalis by Trichogramma nubilale in sweet corn. Entomologia Experimentalis Et Applicata, 1992, 64, 73-85.	1.4	15
102	Vegetational Diversity and Arthropod Population Response. Annual Review of Entomology, 1991, 36, 561-586.	11.8	1,158
103	Yield Loss to Arthropods in Vegetationally Diverse Agroecosystems. Environmental Entomology, 1991, 20, 1228-1235.	1.4	66
104	Release density, efficiency and disappearance ofTrichogramma nubilale for control of European corn borer. Entomophaga, 1991, 36, 105-113.	0.2	31
105	Host age and host selection byTrichogramma nubilale. Entomophaga, 1990, 35, 141-150.	0.2	32
106	Plant structural complexity and host-finding by a parasitoid. Oecologia, 1990, 82, 162-165.	2.0	154
107	Population Dynamics of an Insect Herbivore in Simple and Diverse Habitats. Ecology, 1990, 71, 1006-1017.	3.2	64
108	Characterization of Predation on Egg Masses of Ostrinia nubilalis (Lepidoptera: Pyralidae). Annals of the Entomological Society of America, 1990, 83, 482-486.	2.5	52

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109	Experimental natural history of sustainable agriculture: syndromes of production. Agriculture, Ecosystems and Environment, 1989, 27, 447-462.	5.3	55
110	Flea Beetle Movement in a Broccoli Monoculture and Diculture. Environmental Entomology, 1988, 17, 299-305.	1.4	43
111	Parasitism in diversified agroecosystems: Phenology ofTrichogramma minutum [Hymenoptera: Trichogrammatidae]. Entomophaga, 1987, 32, 255-260.	0.2	22
112	Insect Populations on Cabbage Grown with Living Mulches. Environmental Entomology, 1986, 15, 293-299.	1.4	64
113	Pest management and pesticide impacts. International Journal of Tropical Insect Science, 1984, 5, 141-149.	1.0	11
114	Microsite of the green rice leafhopper,Nephotettix cincticeps (Homoptera: Cicadellidae), on rice: Plant nitrogen and leafhopper density. Researches on Population Ecology, 1984, 26, 313-329.	0.9	4
115	The extent of monoculture and its effects on insect pest populations with particular reference to wheat and cotton. Agriculture, Ecosystems and Environment, 1983, 9, 25-35.	5.3	77
116	Agroecosystem Diversity and Pest Control: Data, Tentative Conclusions, and New Research Directions. Environmental Entomology, 1983, 12, 625-629.	1.4	438
117	Foraging by a Predaceous Beetle, Coleomegilla maculata (Coleoptera: Coccinellidae), in a Polyculture: Effects of Plant Density and Diversity. Environmental Entomology, 1982, 11, 949-950.	1.4	35
118	Environmental and Social Costs of Pesticides: A Preliminary Assessment. Oikos, 1980, 34, 126.	2.7	124
119	Natural farming and rice planthoppers in Western Japan. Agroecology and Sustainable Food Systems, 0, , 1-16.	1.9	0
120	Resistance risks and management associated with Bt maize in Kenya.. , 0, , 209-250.		12