Grant A Herron

List of Publications by Year
in descending order

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		361296	414303
55	1,190	20	32
papers	citations	h-index	g-index

55	55	55	797
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Monitoring insecticide resistance in Australian Frankliniella occidentalis Pergande (Thysanoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 299-303.	1.1	95
2	The Management of Insect Pests in Australian Cotton: An Evolving Story. Annual Review of Entomology, 2018, 63, 215-237.	5.7	76
3	Insecticide resistance inAphis gossypiiGlover (Hemiptera: Aphididae), a serious threat to Australian cotton. Australian Journal of Entomology, 2001, 40, 85-91.	1.1	75
4	Organophosphate resistance in spider mites (Acari: Tetranychidae) from cotton in Australia. Experimental and Applied Acarology, 1998, 22, 17-30.	0.7	60
5	Clofentezine and hexythiazox resistance in Tetranychus urticae Koch in Australia. Experimental and Applied Acarology, 1993, 17, 433-440.	0.7	57
6	Australian populations of onion thrips, Thrips tabaci Lindeman (Thysanoptera: Thripidae), are resistant to some insecticides used for their control. Australian Journal of Entomology, 2008, 47, 361-364.	1.1	51
7	Neonicotinoid resistance in Aphis gossypii Glover (Aphididae: Hemiptera) from Australian cotton. Australian Journal of Entomology, 2011, 50, 93-98.	1.1	50
8	Title is missing!. , 1998, 22, 633-641.		45
9	Evaluation of existing and new insecticides including spirotetramat and pyridalyl to control Frankliniella occidentalis (Pergande) (Thysanoptera: Thripidae) on peppers in Queensland. Australian Journal of Entomology, 2010, 49, 175-181.	1.1	44
10	The development of bifenthrin resistance in two-spotted spider mite (Acari: Tetranychidae) from Australian cotton. Experimental and Applied Acarology, 2001, 25, 301-310.	0.7	33
11	Pyrethroid resistance in Frankliniella occidentalis (Pergande) (Thysanoptera: Thripidae) and implications for its management in Australia. Australian Journal of Entomology, 2008, 47, 64-69.	1.1	32
12	First detection of chlorfenapyr (SecureÂ®) resistance in two-spotted spider mite (Acari: Tetranychidae) from nectarines in an Australian orchard. Experimental and Applied Acarology, 2003, 31, 131-134.	0.7	31
13	Laboratory-Based, Insecticide Efficacy Studies on Field-Collected Frankliniella occidentalis (Pergande) (Thysanoptera: Thripidae) and Implications for its Management in Australia. Australian Journal of Entomology, 1996, 35, 161-164.	1.1	29
14	Detection of <i>kdr</i> pyrethroid resistance in the cotton aphid, <i>Aphis gossypii</i> (Hemiptera: Aphididae), using a PCR-RFLP assay. Journal of Pesticide Sciences, 2012, 37, 169-172.	0.8	29
15	Potter Spray Tower Bioassay of Selected Citrus Pests to Petroleum Spray Oil. Australian Journal of Entomology, 1995, 34, 255-263.	1.1	27
16	Potential New Insecticides for the Control of Western Flower Thrips (Thysanoptera: Thripidae) on Sweet Pepper, Tomato, and Lettuce. Journal of Economic Entomology, 2009, 102, 646-651.	0.8	27
17	Evidence of superclones in Australian cotton aphid Aphis gossypii Glover (Aphididae:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.7	27
18	Genetics of hexythiazox resistance in two spotted spider mite, Tetranychus urticae Koch. Experimental and Applied Acarology, 1993, 17, 423-431.	0.7	24

#	Article	IF	Citations
19	Baseline studies and preliminary resistance survey of Australian populations of cotton aphid Aphis gossypii Glover (Hemiptera: Aphididae). Australian Journal of Entomology, 2000, 39, 33-38.	1.1	24
20	Relationship Between Insecticide-Acaricide Resistance and Field Control in Tetranychus urticae (Acari:) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	23
21	Can resistance management strategies recover insecticide susceptibility in pests?: a case study with cotton aphidAphis gossypii(Aphididae: Hemiptera) in Australian cotton. Austral Entomology, 2017, 56, 1-13.	0.8	22
22	Spinosad resistance, esterase isoenzymes and temporal synergism in Frankliniella occidentalis (Pergande) in Australia. Pesticide Biochemistry and Physiology, 2014, 114, 32-37.	1.6	21
23	Frankliniella occidentalis (Pergande) (Thysanoptera: Thripidae) chemical control: insecticide efficacy associated with the three consecutive spray strategy. Australian Journal of Entomology, 2007, 46, 140-145.	1.1	18
24	Dose-response testing of Australian populations of onion thrips Thrips tabaci Lindeman (Thysanoptera: Thripidae) further refines baseline data and detects methidathion and likely imidacloprid resistance. Australian Journal of Entomology, 2011, 50, 418-423.	1.1	17
25	Relationships between insecticide use, grain hygiene and insecticide resistance in Oryzaephilus surinamensis (L.) (Coleoptera: Silvanidae) on grain-producing farms. Journal of Stored Products Research, 1996, 32, 131-136.	1.2	16
26	A laboratory-based method to measure relative pesticide and spray oil efficacy against broad mite, Polyphagotarsonemus latus (Banks)(Acari: Tarsonemidae). Experimental and Applied Acarology, 1996, 20, 495-502.	0.7	16
27	Title is missing!. Experimental and Applied Acarology, 1998, 22, 553-558.	0.7	16
28	A significant fitness cost associated with ACE1 target site pirimicarb resistance in a field isolate of Aphis gossypii Glover from Australian cotton. Journal of Pest Science, 2017, 90, 773-779.	1.9	15
29	First detection of etoxazole resistance in Australian twoâ€spotted mite Tetranychus urticae Koch (Acarina: Tetranychidae) via bioassay and DNA methods. Austral Entomology, 2018, 57, 365-368.	0.8	15
30	Title is missing!. Experimental and Applied Acarology, 1997, 21, 163-169.	0.7	14
31	Initial verification of the resistance management strategy for Frankliniella occidentalis (Pergande) (Thysanoptera: Thripidae) in Australia. Australian Journal of Entomology, 2002, 41, 187-191.	1.1	14
32	Preliminary characterisation of known pesticide resistance alleles in <scp>Spodoptera frugiperda</scp> (Lepidoptera: Noctuidae) in its invasive Australian range. Austral Entomology, 2021, 60, 782-790.	0.8	13
33	PCR detection of pirimicarb resistance in Australian field isolates of Aphis gossypii Glover (Aphididae: Hemiptera). Australian Journal of Entomology, 2009, 48, 65-72.	1.1	12
34	Influence of spray volume and oil concentration on the efficacy of petroleum spray oil against Myzus persicae (Sulzer) (Hemiptera: Aphididae). Australian Journal of Entomology, 1998, 37, 70-73.	1.1	11
35	Baseline susceptibility and crossâ€resistance in <scp>A</scp>phis gossypiiâ€¦<scp>G</scp>lover (<scp>A</scp>phididae: <scp>H</scp>emiptera) to phorate and sulfoxaflor. Austral Entomology, 2014, 53, 32-35.	0.8	11
36	Acaricidal and stimulatory effects of insecticides on Tetranychus urticae Koch (Acari: Tetranychidae) in cotton. Australian Journal of Entomology, 1999, 38, 30-33.	1.1	9

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37	Frankliniella occidentalis (Pergande) (Thysanoptera: Thripidae) chemical control: residues associated with the three consecutive spray strategy. Australian Journal of Entomology, 2007, 46, 146-151.	1.1	9
38	Quantification of the Pirimicarb Resistance Allele Frequency in Pooled Cotton Aphid (Aphis gossypii) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	9
39	Efficacy of two thiamethoxam preâ€germination seed treatments and a phorate sideâ€dressing against neonicotinoidâ€and pirimicarbâ€resistant cotton aphid, <scp>A</scp>phis gossypii (<scp>H</scp>emiptera: <scp>A</scp>phididae). Austral Entomology, 2015, 54, 351-357.	0.8	9
40	Mutation (G275E) of nAChR subunit FoÎ±6 associated with spinetoram resistance in Australian western flower thrips, Frankliniella occidentalis (Pergande). Molecular Biology Reports, 2021, 48, 3155-3163.	1.0	9
41	The influence of sublethal deposits of agricultural mineral oil on the functional and numerical responses of Phytoseiulus persimilis (Acari: Phytoseiidae) to its prey, Tetranychus urticae (Acari:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.7	8
42	Investigating the Effect of Invasion Characteristics on Onion Thrips (Thysanoptera: Thripidae) Populations in Onions With a Temperature-Driven Process Model. Environmental Entomology, 2009, 38, 1575-1584.	0.7	7
43	A TaqMan qPCR method for detecting kdr resistance in Aphis gossypii demonstrates improved sensitivity compared to conventional PCRâ€“RFLP. Journal of Pest Science, 2015, 88, 785-791.	1.9	6
44	Potentiation of a propargite and fenpyroximate mixture against two-spotted spider mite, Tetranychus urticae (Acari: Tetranychidae). Experimental and Applied Acarology, 2003, 29, 115-119.	0.7	5
45	The Effect of Host Stage and Temperature On the Development of Hexamermis Sp. (Nematoda:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.2	4
46	DEMANIR, a simulation model of insecticide resistance development and management. Mathematics and Computers in Simulation, 1997, 43, 243-250.	2.4	4
47	Esterases and glutathione Sâ€transferases contribute to pyrethroid resistance in western flower thrips, Frankliniella occidentalis. Australian Journal of Entomology, 2012, 51, 272-278.	1.1	4
48	Development of abamectin resistance in Tetranychus urticae in Australian cotton and the establishment of discriminating doses for T. lambi. Experimental and Applied Acarology, 2021, 83, 325-341.	0.7	4
49	Development and use of a single realâ€time PCR assay to identify the three spider mite species Tetranychus urticae, Tetranychus lambi and Tetranychus ludeni (Acari:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	0.8	3
50	The stability of tebufenpyrad resistance in two-spotted spider mite (Acari: Tetranychidae) under laboratory conditions. Experimental and Applied Acarology, 2002, 26, 253-256.	0.7	2
51	Relative toxicity of nC24 agricultural mineral oil to Tetranychus urticae Koch (Acari:) Tj ETQq1 1 0.784314 rgBT /Overlock relationship to egg ultrastructure. Australian Journal of Entomology, 2009, 48, 251-257.	1.1	2
52	Impact of nC24 agricultural mineral oil deposits on the searching efficiency and predation rate of the predatory mite Phytoseiulus persimilis Athiasâ€Henriot (Acari: Phytoseiidae). Australian Journal of Entomology, 2009, 48, 258-264.	1.1	2
53	Use of a Generalized Linear Mixed Model to Reduce Excessive Heterogeneity in Petroleum Spray Oil Bioassay Data. Journal of Economic Entomology, 2003, 96, 983-989.	0.8	2
54	Potential insecticides for control of Oligonychus ilicis (McGregor) (Acari: Tetranychidae), a new threat to Australian horticulture. Australian Journal of Entomology, 2000, 39, 86-88.	1.1	1

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55	Chlorfenapyr resistance in two-spotted spider mite (Acari: Tetranychidae) from Australian cotton. Experimental and Applied Acarology, 2004, 34, 315-321.	0.7	1