

Thomas Van Leeuwen

List of Publications by Year in descending order

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156
papers

10,987
citations

31976

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all docs

166
docs citations

166
times ranked

6479
citing authors

#	ARTICLE	IF	CITATIONS
1	The genome of <i>Tetranychus urticae</i> reveals herbivorous pest adaptations. <i>Nature</i> , 2011, 479, 487-492.	27.8	897
2	Acaricide resistance mechanisms in the two-spotted spider mite <i>Tetranychus urticae</i> and other important Acari: A review. <i>Insect Biochemistry and Molecular Biology</i> , 2010, 40, 563-572.	2.7	626
3	The ABC gene family in arthropods: Comparative genomics and role in insecticide transport and resistance. <i>Insect Biochemistry and Molecular Biology</i> , 2014, 45, 89-110.	2.7	462
4	A link between host plant adaptation and pesticide resistance in the polyphagous spider mite <i>Tetranychus urticae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E113-22.	7.1	347
5	Genome sequence of the Asian Tiger mosquito, <i>Aedes albopictus</i> , reveals insights into its biology, genetics, and evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5907-15.	7.1	251
6	Mechanisms and ecological consequences of plant defence induction and suppression in herbivore communities. <i>Annals of Botany</i> , 2015, 115, 1015-1051.	2.9	244
7	Population bulk segregant mapping uncovers resistance mutations and the mode of action of a chitin synthesis inhibitor in arthropods. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4407-4412.	7.1	240
8	The economic importance of acaricides in the control of phytophagous mites and an update on recent acaricide mode of action research. <i>Pesticide Biochemistry and Physiology</i> , 2015, 121, 12-21.	3.6	238
9	Genotype to phenotype, the molecular and physiological dimensions of resistance in arthropods. <i>Pesticide Biochemistry and Physiology</i> , 2015, 121, 61-77.	3.6	237
10	The Molecular Evolution of Xenobiotic Metabolism and Resistance in Chelicerate Mites. <i>Annual Review of Entomology</i> , 2016, 61, 475-498.	11.8	227
11	Mitochondrial heteroplasmy and the evolution of insecticide resistance: Non-Mendelian inheritance in action. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5980-5985.	7.1	225
12	The role of glutathione S-transferases (GSTs) in insecticide resistance in crop pests and disease vectors. <i>Current Opinion in Insect Science</i> , 2018, 27, 97-102.	4.4	197
13	Comparative acaricide susceptibility and detoxifying enzyme activities in field-collected resistant and susceptible strains of <i>Tetranychus urticae</i> . <i>Pest Management Science</i> , 2005, 61, 499-507.	3.4	171
14	The cys-loop ligand-gated ion channel gene family of <i>Tetranychus urticae</i> : Implications for acaricide toxicology and a novel mutation associated with abamectin resistance. <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 455-465.	2.7	161
15	Abamectin is metabolized by CYP392A16, a cytochrome P450 associated with high levels of acaricide resistance in <i>Tetranychus urticae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2014, 46, 43-53.	2.7	155
16	Horizontal Gene Transfer Contributes to the Evolution of Arthropod Herbivory. <i>Genome Biology and Evolution</i> , 2016, 8, 1785-1801.	2.5	155
17	Reciprocal Responses in the Interaction between <i>Arabidopsis</i> and the Cell-Content-Feeding Chelicerate Herbivore Spider Mite. <i>Plant Physiology</i> , 2014, 164, 384-399.	4.8	151
18	Salivary proteins of spider mites suppress defenses in <i>Nicotiana benthamiana</i> and promote mite reproduction. <i>Plant Journal</i> , 2016, 86, 119-131.	5.7	149

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19	Genetic analysis and cross-resistance spectrum of a laboratory-selected chlorfenapyr resistant strain of two-spotted spider mite (Acari: Tetranychidae). <i>Experimental and Applied Acarology</i> , 2004, 32, 249-261.	1.6	147
20	Resistance mutation conserved between insects and mites unravels the benzoylurea insecticide mode of action on chitin biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14692-14697.	7.1	144
21	A gene horizontally transferred from bacteria protects arthropods from host plant cyanide poisoning. <i>ELife</i> , 2014, 3, e02365.	6.0	135
22	Adaptation of a polyphagous herbivore to a novel host plant extensively shapes the transcriptome of herbivore and host. <i>Molecular Ecology</i> , 2015, 24, 4647-4663.	3.9	131
23	A burst of ABC genes in the genome of the polyphagous spider mite <i>Tetranychus urticae</i> . <i>BMC Genomics</i> , 2013, 14, 317.	2.8	118
24	Disruption of a horizontally transferred phytoene desaturase abolishes carotenoid accumulation and diapause in <i>Tetranychus urticae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5871-E5880.	7.1	114
25	The Salivary Protein Repertoire of the Polyphagous Spider Mite <i>Tetranychus urticae</i> : A Quest for Effectors. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3594-3613.	3.8	113
26	Diversity and evolution of the P450 family in arthropods. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 127, 103490.	2.7	109
27	Acaricide resistance and resistance mechanisms in <i>Tetranychus urticae</i> populations from rose greenhouses in the Netherlands. <i>Pest Management Science</i> , 2011, 67, 1424-1433.	3.4	108
28	Resistance mechanisms to mitochondrial electron transport inhibitors in a field-collected strain of <i>Tetranychus urticae</i> Koch (Acari: Tetranychidae). <i>Bulletin of Entomological Research</i> , 2009, 99, 23-31.	1.0	107
29	Molecular analysis of resistance to acaricidal spirocyclic tetrone acids in <i>Tetranychus urticae</i> : CYP392E10 metabolizes spirodiclofen, but not its corresponding enol. <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 544-554.	2.7	107
30	Genetic and biochemical analysis of a laboratory-selected spirodiclofen-resistant strain of <i>Tetranychus urticae</i> Koch (Acari: Tetranychidae). <i>Pest Management Science</i> , 2009, 65, 358-366.	3.4	105
31	Identification of pyrethroid resistance associated mutations in the sodium channel of the two-spotted spider mite <i>Tetranychus urticae</i> (Acari: Tetranychidae). <i>Insect Molecular Biology</i> , 2009, 18, 583-593.	2.0	99
32	Mutations in the mitochondrial cytochrome <i>b</i> of <i>Tetranychus urticae</i> Koch (Acari: Tetranychidae). <i>Insect Molecular Biology</i> , 2009, 18, 583-593.	3.4	95
33	Genome wide gene-expression analysis of facultative reproductive diapause in the two-spotted spider mite <i>Tetranychus urticae</i> . <i>BMC Genomics</i> , 2013, 14, 815.	2.8	92
34	Tomato Whole Genome Transcriptional Response to <i>Tetranychus urticae</i> Identifies Divergence of Spider Mite-Induced Responses Between Tomato and <i>Arabidopsis</i> . <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 343-361.	2.6	90
35	Complete maternal inheritance of bifentazate resistance in <i>Tetranychus urticae</i> Koch (Acari: Tetranychidae). <i>Molecular Biology</i> , 2006, 36, 869-877.	2.7	89
36	Acetylcholinesterase point mutations in European strains of <i>Tetranychus urticae</i> (Acari: Tetranychidae). <i>Insect Molecular Biology</i> , 2009, 18, 583-593.	3.4	87

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37	High resolution genetic mapping uncovers chitin synthase-1 as the target-site of the structurally diverse mite growth inhibitors clofentezine, hexythiazox and etoxazole in <i>Tetranychus urticae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2014, 51, 52-61.	2.7	83
38	A mutation in the PSST homologue of complex I (NADH:ubiquinone oxidoreductase) from <i>Tetranychus urticae</i> is associated with resistance to METI acaricides. <i>Insect Biochemistry and Molecular Biology</i> , 2017, 80, 79-90.	2.7	82
39	Biochemical analysis of a chlorfenapyr-selected resistant strain of <i>Tetranychus urticae</i> Koch. <i>Pest Management Science</i> , 2006, 62, 425-433.	3.4	81
40	The relative contribution of target-site mutations in complex acaricide resistant phenotypes as assessed by marker assisted backcrossing in <i>Tetranychus urticae</i> . <i>Scientific Reports</i> , 2017, 7, 9202.	3.3	81
41	The cyclic keto-enol insecticide spirotetramat inhibits insect and spider mite acetyl-CoA carboxylases by interfering with the carboxyltransferase partial reaction. <i>Insect Biochemistry and Molecular Biology</i> , 2014, 55, 1-8.	2.7	76
42	Esterase-mediated bifenthrin resistance in a multiresistant strain of the two-spotted spider mite, <i>Tetranychus urticae</i> . <i>Pest Management Science</i> , 2007, 63, 150-156.	3.4	74
43	Does host plant adaptation lead to pesticide resistance in generalist herbivores?. <i>Current Opinion in Insect Science</i> , 2018, 26, 25-33.	4.4	74
44	Functional characterization of the <i>Tetranychus urticae</i> CYP392A11, a cytochrome P450 that hydroxylates the METI acaricides cyenopyrafen and fenpyroximate. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 65, 91-99.	2.7	72
45	The control of eriophyoid mites: state of the art and future challenges. <i>Experimental and Applied Acarology</i> , 2010, 51, 205-224.	1.6	70
46	Long-Term Population Studies Uncover the Genome Structure and Genetic Basis of Xenobiotic and Host Plant Adaptation in the Herbivore <i>Tetranychus urticae</i> . <i>Genetics</i> , 2019, 211, 1409-1427.	2.9	70
47	Functional characterization of glutathione S-transferases associated with insecticide resistance in <i>Tetranychus urticae</i> . <i>Pesticide Biochemistry and Physiology</i> , 2015, 121, 53-60.	3.6	69
48	A glutathione-S-transferase (TuGSTd05) associated with acaricide resistance in <i>Tetranychus urticae</i> directly metabolizes the complex II inhibitor cyflumetofen. <i>Insect Biochemistry and Molecular Biology</i> , 2017, 80, 101-115.	2.7	68
49	Mechanisms of Acaricide Resistance in the Two-Spotted Spider Mite <i>Tetranychus urticae</i> . , 2009, , 347-393.		66
50	Significance and interpretation of molecular diagnostics for insecticide resistance management of agricultural pests. <i>Current Opinion in Insect Science</i> , 2020, 39, 69-76.	4.4	64
51	High-resolution QTL mapping in <i>Tetranychus urticae</i> reveals acaricide-specific responses and common target-site resistance after selection by different METI-I acaricides. <i>Insect Biochemistry and Molecular Biology</i> , 2019, 110, 19-33.	2.7	62
52	Molecular analysis of cyenopyrafen resistance in the two-spotted spider mite <i>Tetranychus urticae</i> . <i>Pest Management Science</i> , 2016, 72, 103-112.	3.4	60
53	Cross-resistance risk of the novel complex II inhibitors cyenopyrafen and cyflumetofen in resistant strains of the two-spotted spider mite <i>Tetranychus urticae</i> . <i>Pest Management Science</i> , 2014, 70, 365-368.	3.4	59
54	Bacterial origin of a diverse family of UDP-glycosyltransferase genes in the <i>Tetranychus urticae</i> genome. <i>Insect Biochemistry and Molecular Biology</i> , 2014, 50, 43-57.	2.7	59

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55	Combined Activity of DCL2 and DCL3 Is Crucial in the Defense against Potato Spindle Tuber Viroid. <i>PLoS Pathogens</i> , 2016, 12, e1005936.	4.7	58
56	Transcriptomic responses of the olive fruit fly <i>Bactrocera oleae</i> and its symbiont <i>Candidatus Erwinia dacicola</i> to olive feeding. <i>Scientific Reports</i> , 2017, 7, 42633.	3.3	58
57	Organophosphate insecticides and acaricides antagonise bifenthrin toxicity through esterase inhibition in <i>Tetranychus urticae</i> . <i>Pest Management Science</i> , 2007, 63, 1172-1177.	3.4	55
58	Transcriptome profiling of a spirodiclofen susceptible and resistant strain of the European red mite <i>Panonychus ulmi</i> using strand-specific RNA-seq. <i>BMC Genomics</i> , 2015, 16, 974.	2.8	54
59	Why Do Herbivorous Mites Suppress Plant Defenses?. <i>Frontiers in Plant Science</i> , 2018, 9, 1057.	3.6	54
60	Genome-enabled insights into the biology of thrips as crop pests. <i>BMC Biology</i> , 2020, 18, 142.	3.8	54
61	Effects of spirodiclofen on reproduction in a susceptible and resistant strain of <i>Tetranychus urticae</i> (Acari: Tetranychidae). <i>Experimental and Applied Acarology</i> , 2009, 47, 301-309.	1.6	53
62	Comparative genome-wide transcriptome analysis of <i>Vitis vinifera</i> responses to adapted and non-adapted strains of two-spotted spider mite, <i>Tetranychus urticae</i> . <i>BMC Genomics</i> , 2016, 17, 74.	2.8	53
63	Parallel evolution of cytochrome <i>b5</i> mediated bifenthrin resistance in the citrus red mite <i>Panonychus citri</i> . <i>Insect Molecular Biology</i> , 2011, 20, 135-140.	2.0	51
64	Spider mite control and resistance management: does a genome help?. <i>Pest Management Science</i> , 2013, 69, 156-159.	3.4	50
65	A G326E substitution in the glutamate-gated chloride channel 3 (GluCl3) of the two-spotted spider mite <i>Tetranychus urticae</i> abolishes the agonistic activity of macrocyclic lactones. <i>Pest Management Science</i> , 2017, 73, 2413-2418.	3.4	50
66	Targeted mutagenesis using CRISPR-Cas9 in the chelicerate herbivore <i>Tetranychus urticae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2020, 120, 103347.	2.7	49
67	Geographical distribution and molecular insights into abamectin and milbemectin cross-resistance in European field populations of <i>Tetranychus urticae</i> . <i>Pest Management Science</i> , 2020, 76, 2569-2581.	3.4	47
68	Kin competition accelerates experimental range expansion in an arthropod herbivore. <i>Ecology Letters</i> , 2018, 21, 225-234.	6.4	46
69	Application of Two-spotted Spider Mite <i>Tetranychus urticae</i> for Plant-pest Interaction Studies. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	43
70	Complex Evolutionary Dynamics of Massively Expanded Chemosensory Receptor Families in an Extreme Generalist Chelicerate Herbivore. <i>Genome Biology and Evolution</i> , 2016, 8, 3323-3339.	2.5	42
71	Genome-wide gene expression profiling reveals that cuticle alterations and P450 detoxification are associated with deltamethrin and DDT resistance in <i>Anopheles arabiensis</i> populations from Ethiopia. <i>Pest Management Science</i> , 2019, 75, 1808-1818.	3.4	42
72	Reduced proinsecticide activation by cytochrome P450 confers coumaphos resistance in the major bee parasite <i>Varroa destructor</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	42

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73	A horizontally transferred cyanase gene in the spider mite <i>Tetranychus urticae</i> is involved in cyanate metabolism and is differentially expressed upon host plant change. <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 881-889.	2.7	40
74	Intraguild predation by <i>Harmonia axyridis</i> (Coleoptera: Tenebrionidae) on <i>Phytomyza</i> spp. (Diptera: Phoridae) in field samples. <i>Entomological Science</i> , 2015, 18, 130-133.	0.6	40
75	A massive incorporation of microbial genes into the genome of <i>Tetranychus urticae</i> , a polyphagous arthropod herbivore. <i>Insect Molecular Biology</i> , 2018, 27, 333-351.	2.0	40
76	Fitness costs of key point mutations that underlie acaricide target-site resistance in the two-spotted spider mite <i>Tetranychus urticae</i> . <i>Evolutionary Applications</i> , 2018, 11, 1540-1553.	3.1	40
77	Protocols for the delivery of small molecules to the two-spotted spider mite, <i>Tetranychus urticae</i> . <i>PLoS ONE</i> , 2017, 12, e0180658.	2.5	40
78	Systemic Use of Spinosad to Control the Two-spotted Spider Mite (Acari: Tetranychidae) on Tomatoes Grown in Rockwool. <i>Experimental and Applied Acarology</i> , 2005, 37, 93-105.	1.6	39
79	On the mode of action of bifenthrin: New evidence for a mitochondrial target site. <i>Pesticide Biochemistry and Physiology</i> , 2012, 104, 88-95.	3.6	39
80	Identification and characterization of new mutations in mitochondrial cytochrome b that confer resistance to bifenthrin and acequinocyl in the spider mite <i>Tetranychus urticae</i> . <i>Pest Management Science</i> , 2020, 76, 1154-1163.	3.4	39
81	Fitness maximization by dispersal: evidence from an invasion experiment. <i>Ecology</i> , 2014, 95, 3104-3111.	3.2	38
82	Substrate specificity and promiscuity of horizontally transferred UDP-glycosyltransferases in the generalist herbivore <i>Tetranychus urticae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 109, 116-127.	2.7	38
83	Resistance to acaricides in Italian strains of <i>Tetranychus urticae</i> : toxicological and enzymatic assays. <i>Experimental and Applied Acarology</i> , 2012, 57, 53-64.	1.6	36
84	Transcriptomic Plasticity in the Arthropod Generalist <i>Tetranychus urticae</i> Upon Long-Term Acclimation to Different Host Plants. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 3865-3879.	1.8	36
85	QTL mapping using microsatellite linkage reveals target-site mutations associated with high levels of resistance against three mitochondrial complex II inhibitors in <i>Tetranychus urticae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2020, 123, 103410.	2.7	36
86	Using CRISPR/Cas9 genome modification to understand the genetic basis of insecticide resistance: <i>Drosophila</i> and beyond. <i>Pesticide Biochemistry and Physiology</i> , 2020, 167, 104595.	3.6	36
87	Induction of cytochrome P450 monooxygenase activity in the two-spotted spider mite <i>Tetranychus urticae</i> and its influence on acaricide toxicity. <i>Pesticide Biochemistry and Physiology</i> , 2008, 91, 128-133.	3.6	35
88	Short term transcriptional responses of P450s to phytochemicals in insects and mites. <i>Current Opinion in Insect Science</i> , 2021, 43, 117-127.	4.4	35
89	A molecular-genetic understanding of diapause in spider mites: current knowledge and future directions. <i>Physiological Entomology</i> , 2017, 42, 211-224.	1.5	34
90	Identification and geographical distribution of pyrethroid resistance mutations in the poultry red mite <i>Dermanyssus gallinae</i> . <i>Pest Management Science</i> , 2020, 76, 125-133.	3.4	33

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91	Genome streamlining in a minute herbivore that manipulates its host plant. <i>ELife</i> , 2020, 9, .	6.0	33
92	The effect of insecticide synergist treatment on genome-wide gene expression in a polyphagous pest. <i>Scientific Reports</i> , 2017, 7, 13440.	3.3	32
93	Trait mapping in diverse arthropods by bulked segregant analysis. <i>Current Opinion in Insect Science</i> , 2019, 36, 57-65.	4.4	32
94	The phenylpropanoid pathway inhibitor piperonylic acid induces broad-spectrum pest and disease resistance in plants. <i>Plant, Cell and Environment</i> , 2021, 44, 3122-3139.	5.7	31
95	Resistance incidence and presence of resistance mutations in populations of <i>Tetranychus urticae</i> from vegetable crops in Turkey. <i>Experimental and Applied Acarology</i> , 2019, 78, 343-360.	1.6	30
96	Mapping insecticide resistance and characterization of resistance mechanisms in <i>Anopheles arabiensis</i> (Diptera: Culicidae) in Ethiopia. <i>Parasites and Vectors</i> , 2017, 10, 407.	2.5	29
97	A Gene Family Coding for Salivary Proteins (SHOT) of the Polyphagous Spider Mite <i>Tetranychus urticae</i> Exhibits Fast Host-Dependent Transcriptional Plasticity. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 112-124.	2.6	29
98	Overexpression of an alternative allele of carboxyl/choline esterase 4 (CCE04) of <i>Tetranychus urticae</i> is associated with high levels of resistance to the keto-enol acaricide spirodiclofen. <i>Pest Management Science</i> , 2020, 76, 1142-1153.	3.4	29
99	Improving the compatibility of pesticides and predatory mites: recent findings on physiological and ecological selectivity. <i>Current Opinion in Insect Science</i> , 2020, 39, 63-68.	4.4	29
100	Untangling a Gordian knot: the role of a GluCl3 I321T mutation in abamectin resistance in <i>Tetranychus urticae</i> . <i>Pest Management Science</i> , 2021, 77, 1581-1593.	3.4	29
101	Convergent evolution of cytochrome P450s underlies independent origins of keto-carotenoid pigmentation in animals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191039.	2.6	28
102	Identification and functional characterization of a novel acetyl-CoA carboxylase mutation associated with ketoenol resistance in <i>Bemisia tabaci</i> . <i>Pesticide Biochemistry and Physiology</i> , 2020, 166, 104583.	3.6	28
103	Draft Genome Assembly of the Poultry Red Mite, <i>Dermanyssus gallinae</i> . <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.6	26
104	High-resolution genetic mapping reveals cis-regulatory and copy number variation in loci associated with cytochrome P450-mediated detoxification in a generalist arthropod pest. <i>PLoS Genetics</i> , 2021, 17, e1009422.	3.5	26
105	Empirically simulated spatial sorting points at fast epigenetic changes in dispersal behaviour. <i>Evolutionary Ecology</i> , 2015, 29, 299-310.	1.2	23
106	Identification and characterization of striking multiple-insecticide resistance in a <i>Tetranychus urticae</i> field population from Greece. <i>Pest Management Science</i> , 2021, 77, 666-676.	3.4	23
107	Susceptibility of the predatory stinkbug <i>Picromerus bidens</i> to selected insecticides. <i>BioControl</i> , 2007, 52, 765-774.	2.0	22
108	<i>Tetranychus urticae</i> mites do not mount an induced immune response against bacteria. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170401.	2.6	21

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109	Characterization of abamectin resistance in Iranian populations of European red mite, <i>Panonychus ulmi</i> Koch (Acari: Tetranychidae). <i>Crop Protection</i> , 2019, 125, 104903.	2.1	21
110	Molecular and genetic analysis of resistance to MET-I acaricides in Iranian populations of the citrus red mite <i>Panonychus citri</i> . <i>Pesticide Biochemistry and Physiology</i> , 2020, 164, 73-84.	3.6	21
111	Metabolic mechanisms of resistance to spirodiclofen and spiromesifen in Iranian populations of <i>Panonychus ulmi</i> . <i>Crop Protection</i> , 2020, 134, 105166.	2.1	21
112	Is the emerging mite pest <i>Aculops lycopersici</i> controllable? Global and genome-based insights in its biology and management. <i>Pest Management Science</i> , 2021, 77, 2635-2644.	3.4	21
113	Life-history evolution in response to changes in metapopulation structure in an arthropod herbivore. <i>Functional Ecology</i> , 2016, 30, 1408-1417.	3.6	20
114	The genome of the extremophile <i>Artemia</i> provides insight into strategies to cope with extreme environments. <i>BMC Genomics</i> , 2021, 22, 635.	2.8	20
115	Incidence and characterization of resistance to pyrethroid and organophosphorus insecticides in <i>Thrips tabaci</i> (Thysanoptera: Thripidae) in onion fields in Isfahan, Iran. <i>Pesticide Biochemistry and Physiology</i> , 2016, 129, 28-35.	3.6	19
116	Resistance risk assessment of the novel complex II inhibitor pyflubumide in the polyphagous pest <i>Tetranychus urticae</i> . <i>Journal of Pest Science</i> , 2020, 93, 1085-1096.	3.7	18
117	Molecular characterization of pyrethroid resistance in the olive fruit fly <i>Bactrocera oleae</i> . <i>Pesticide Biochemistry and Physiology</i> , 2018, 148, 1-7.	3.6	16
118	Point mutations in the voltage-gated sodium channel gene associated with pyrethroid resistance in Iranian populations of the European red mite <i>Panonychus ulmi</i> . <i>Pesticide Biochemistry and Physiology</i> , 2019, 157, 80-87.	3.6	16
119	Costs and benefits of multiple mating in a species with first-male sperm precedence. <i>Journal of Animal Ecology</i> , 2020, 89, 1045-1054.	2.8	16
120	Acaricide resistance status and identification of resistance mutations in populations of the two-spotted spider mite <i>Tetranychus urticae</i> from Ethiopia. <i>Experimental and Applied Acarology</i> , 2020, 82, 475-491.	1.6	16
121	Multiple TaqMan qPCR and droplet digital PCR (ddPCR) diagnostics for pesticide resistance monitoring and management, in the major agricultural pest <i>Tetranychus urticae</i> . <i>Pest Management Science</i> , 2022, 78, 263-273.	3.4	15
122	A systematic review and meta-analysis of trypanosome prevalence in tsetse flies. <i>BMC Veterinary Research</i> , 2017, 13, 100.	1.9	14
123	Intradiol ring cleavage dioxygenases from herbivorous spider mites as a new detoxification enzyme family in animals. <i>BMC Biology</i> , 2022, 20, .	3.8	14
124	Susceptibility of an organophosphate resistant strain of the two-spotted spider mite (<i>Tetranychus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 and <i>Applied Acarology</i> , 2009, 49, 185-192.	1.6	13
125	Selectivity and molecular stress responses to classical and botanical acaricides in the predatory mite <i>Phytoseiulus persimilis</i> (<i>Athias</i> Henriot) (Acari: Phytoseiidae). <i>Pest Management Science</i> , 2022, 78, 881-895.	3.4	13
126	Over-expression in cis of the midgut P450 CYP392A16 contributes to abamectin resistance in <i>Tetranychus urticae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2022, 142, 103709.	2.7	13

#	ARTICLE	IF	CITATIONS
127	QTL mapping suggests that both cytochrome P450-mediated detoxification and target-site resistance are involved in fenbutatin oxide resistance in <i>Tetranychus urticae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2022, 145, 103757.	2.7	13
128	Adaptive divergence and post-zygotic barriers to gene flow between sympatric populations of a herbivorous mite. <i>Communications Biology</i> , 2021, 4, 853.	4.4	12
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137			

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146	A H258Y mutation in subunit B of the succinate dehydrogenase complex of the spider mite <i>Tetranychus urticae</i> confers resistance to cyenopyrafen and pyflubumide, but likely reinforces cyflumetofen binding and toxicity. <i>Insect Biochemistry and Molecular Biology</i> , 2022, 144, 103761.	2.7	7
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148	Structural and functional characterization of an intradiol ring-cleavage dioxygenase from the polyphagous spider mite herbivore <i>Tetranychus urticae</i> Koch. <i>Insect Biochemistry and Molecular Biology</i> , 2019, 107, 19-30.	2.7	6
149	Editorial: Invertebrate UDP-Glycosyltransferases: Nomenclature, Diversity and Functions. <i>Frontiers in Physiology</i> , 2021, 12, 748290.	2.8	3
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154	Cover Image, Volume 76, Issue 8. <i>Pest Management Science</i> , 2020, 76, .	3.4	0
155	Mutations in chitin synthase-1 (CHS-1) confer resistance to a range of structurally diverse acaricides and insecticides. , 2016, , .		0
156	Cover Image, Volume 78, Issue 3. <i>Pest Management Science</i> , 2022, 78, .	3.4	0