

Shai Morin

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

3,077
citations

185998

28
h-index

233125

45
g-index

46
all docs

46
docs citations

46
times ranked

2680
citing authors

#	ARTICLE	IF	CITATIONS
1	Three cadherin alleles associated with resistance to <i>Bacillus thuringiensis</i> in pink bollworm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5004-5009.	3.3	390
2	Over-expression of cytochrome P450 CYP6CM1 is associated with high resistance to imidacloprid in the B and Q biotypes of <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae). <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 634-644.	1.2	349
3	Structural model and functional characterization of the <i>Bemisia tabaci</i> CYP6CM1vQ, a cytochrome P450 associated with high levels of imidacloprid resistance. <i>Insect Biochemistry and Molecular Biology</i> , 2009, 39, 697-706.	1.2	204
4	Insect Resistance to Transgenic Bt Crops: Lessons from the Laboratory and Field. <i>Journal of Economic Entomology</i> , 2003, 96, 1031-1038.	0.8	199
5	The Transcript and Metabolite Networks Affected by the Two Clades of Arabidopsis Glucosinolate Biosynthesis Regulators. <i>Plant Physiology</i> , 2008, 148, 2021-2049.	2.3	188
6	Organophosphates' resistance in the B-biotype of <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae) is associated with a point mutation in an ace1-type acetylcholinesterase and overexpression of carboxylesterase. <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 940-949.	1.2	153
7	Rate of Tomato yellow leaf curl virus Translocation in the Circulative Transmission Pathway of its Vector, the Whitefly <i>Bemisia tabaci</i> . <i>Phytopathology</i> , 2001, 91, 188-196.	1.1	139
8	Extraordinary Resistance to Insecticides Reveals Exotic Q Biotype of <i>Bemisia tabaci</i> in the New World. <i>Journal of Economic Entomology</i> , 2010, 103, 2174-2186.	0.8	91
9	ITS2 sequences as barcodes for identifying and analyzing spider mites (Acari: Tetranychidae). <i>Experimental and Applied Acarology</i> , 2007, 41, 169-181.	0.7	89
10	Association Between Resistance to Bt Cotton and Cadherin Genotype in Pink Bollworm. <i>Journal of Economic Entomology</i> , 2005, 98, 635-644.	0.8	85
11	Multiple origins of pyrethroid resistance in sympatric biotypes of <i>Bemisia tabaci</i> (Hemiptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 79	1.2	79
12	Reverse Genetics of Floral Scent: Application of Tobacco Rattle Virus-Based Gene Silencing in Petunia. <i>Plant Physiology</i> , 2007, 145, 1241-1250.	2.3	66
13	Assessment of the <i>Bemisia tabaci</i> CYP6CM1vQ transcript and protein levels in laboratory and field-derived imidacloprid-resistant insects and cross-metabolism potential of the recombinant enzyme. <i>Insect Science</i> , 2011, 18, 23-29.	1.5	62
14	DNA-based detection of Bt resistance alleles in pink bollworm. <i>Insect Biochemistry and Molecular Biology</i> , 2004, 34, 1225-1233.	1.2	57
15	Using <i>Drosophila melanogaster</i> to validate metabolism-based insecticide resistance from insect pests. <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 918-924.	1.2	54
16	DNA Screening Reveals Pink Bollworm Resistance to Bt Cotton Remains Rare After a Decade of Exposure. <i>Journal of Economic Entomology</i> , 2006, 99, 1525-1530.	0.8	50
17	To B or Not to B: Comparative Genomics Suggests <i>Arsenophonus</i> as a Source of B Vitamins in Whiteflies. <i>Frontiers in Microbiology</i> , 2018, 9, 2254.	1.5	49
18	Targeting detoxification genes by phloem-mediated RNAi: A new approach for controlling phloem-feeding insect pests. <i>Insect Biochemistry and Molecular Biology</i> , 2018, 100, 10-21.	1.2	49

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19	Inside out: microbiota dynamics during host-plant adaptation of whiteflies. <i>ISME Journal</i> , 2020, 14, 847-856.	4.4	48
20	Insights into the transcriptomics of polyphagy: <i>Bemisia tabaci</i> adaptability to phenylpropanoids involves coordinated expression of defense and metabolic genes. <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 251-263.	1.2	44
21	Glucosinolate Desulfation by the Phloem-Feeding Insect <i>Bemisia tabaci</i> . <i>Journal of Chemical Ecology</i> , 2016, 42, 230-235.	0.9	42
22	Molecular diagnostics for detecting pyrethroid and organophosphate resistance mutations in the Q biotype of the whitefly <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae). <i>Pesticide Biochemistry and Physiology</i> , 2009, 94, 49-54.	1.6	40
23	The gene road to royalty â€“ differential expression of hydroxylating genes in the mandibular glands of the honeybee. <i>FEBS Journal</i> , 2009, 276, 5481-5490.	2.2	40
24	Speciesâ€™ complex diversification and hostâ€™plant associations in <i>Bemisia tabaci</i> : A plantâ€™defence, detoxification perspective revealed by <i>scRNA-seq</i> analyses. <i>Molecular Ecology</i> , 2018, 27, 4241-4256.	2.0	39
25	Sustained susceptibility of pink bollworm to Bt cotton in the United States. <i>GM Crops and Food</i> , 2012, 3, 194-200.	2.0	38
26	Inoculation of tomato plants with rhizobacteria enhances the performance of the phloem-feeding insect <i>Bemisia tabaci</i> . <i>Frontiers in Plant Science</i> , 2013, 4, 306.	1.7	38
27	Activation of the Phenylpropanoid Pathway in <i>Nicotiana tabacum</i> Improves the Performance of the Whitefly <i>Bemisia tabaci</i> via Reduced Jasmonate Signaling. <i>PLoS ONE</i> , 2013, 8, e76619.	1.1	33
28	Shared genetic basis of resistance to Bt toxin Cry1ac in independent strains of pink bollworm. <i>Journal of Economic Entomology</i> , 2004, 97, 721-6.	0.8	32
29	Glucosylation prevents plant defense activation in phloem-feeding insects. <i>Nature Chemical Biology</i> , 2020, 16, 1420-1426.	3.9	30
30	Projecting pest population dynamics under global warming: the combined effect of interâ€™ and intraâ€™annual variations. <i>Ecological Applications</i> , 2016, 26, 1198-1210.	1.8	28
31	Resistance to Insecticides in the TYLCV vector, <i>Bemisia Tabaci</i> . , 2007, , 305-325.		28
32	<i>Arabidopsis thaliana</i> Plants with Different Levels of Aliphatic- and Indolyl-Glucosinolates Affect Host Selection and Performance of <i>Bemisia tabaci</i> . <i>Journal of Chemical Ecology</i> , 2013, 39, 1361-1372.	0.9	26
33	Only a minority of broad-range detoxification genes respond to a variety of phytotoxins in generalist <i>Bemisia tabaci</i> species. <i>Scientific Reports</i> , 2015, 5, 17975.	1.6	26
34	Reversal of resistance to pyriproxyfen in the Q biotype of <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae). <i>Pest Management Science</i> , 2007, 63, 761-768.	1.7	25
35	Transmission of Tomato Yellow Leaf Curl Geminivirus to Imidacloprid Treated Tomato Plants by the Whitefly <i>Bemisia tabaci</i> (Homoptera: Aleyrodidae). <i>Journal of Economic Entomology</i> , 1999, 92, 658-662.	0.8	24
36	Can CRISPR gene drive work in pest and beneficial haplodiploid species?. <i>Evolutionary Applications</i> , 2020, 13, 2392-2403.	1.5	20

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37	High-Level Resistance to <i>Bacillus thuringiensis</i> Toxin Cry1Ac and Cadherin Genotype in Pink Bollworm. <i>Journal of Economic Entomology</i> , 2006, 99, 2125-2131.	0.8	19
38	Asymmetric reproductive interference between two closely related spider mites: <i>Tetranychus urticae</i> and <i>T. turkestanus</i> (Acari: Tetranychidae). <i>Experimental and Applied Acarology</i> , 2009, 48, 213-227.	0.7	18
39	Molecular Evolution of the Glutathione S-Transferase Family in the <i>Bemisia tabaci</i> Species Complex. <i>Genome Biology and Evolution</i> , 2020, 12, 3857-3872.	1.1	17
40	Activation and detoxification of cassava cyanogenic glucosides by the whitefly <i>Bemisia tabaci</i> . <i>Scientific Reports</i> , 2021, 11, 13244.	1.6	17
41	<i>Portiera</i> Gets Wild: Genome Instability Provides Insights into the Evolution of Both Whiteflies and Their Endosymbionts. <i>Genome Biology and Evolution</i> , 2020, 12, 2107-2124.	1.1	14
42	The molecular mechanisms that determine different degrees of polyphagy in the <i>Bemisia tabaci</i> species complex. <i>Evolutionary Applications</i> , 2021, 14, 807-820.	1.5	12
43	Complete Assembly of the Genome of an <i>Acidovorax citrulli</i> Strain Reveals a Naturally Occurring Plasmid in This Species. <i>Frontiers in Microbiology</i> , 2019, 10, 1400.	1.5	11
44	The involvement of glutathione S-transferases in the interactions between <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae) and its Brassicaceae hosts. <i>Israel Journal of Plant Sciences</i> , 2010, 58, 93-102.	0.3	6
45	<i>Bemisia tabaci</i> females from the Mediterranean (Q) species detect and avoid laying eggs in the presence of pyriproxyfen, a juvenile hormone analogue. <i>Pest Management Science</i> , 2014, 70, 1468-1476.	1.7	6
46	Decision support for pest management: Using field data for optimizing temperature-dependent population dynamics models. <i>Ecological Modelling</i> , 2021, 440, 109402.	1.2	3