

Shai Morin

List of Publications by Year in descending order

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46
papers

3,077
citations

186265
28
h-index

233421
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.	7.1	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.	2.7	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.	2.7	204
4	Insect Resistance to Transgenic Bt Crops: Lessons from the Laboratory and Field. <i>Journal of Economic Entomology</i> , 2003, 96, 1031-1038.	1.8	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.	4.8	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.	2.7	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.	2.2	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.	1.8	91
9	ITS2 sequences as barcodes for identifying and analyzing spider mites (Acari: Tetranychidae). <i>Experimental and Applied Acarology</i> , 2007, 41, 169-181.	1.6	89
10	Association Between Resistance to Bt Cotton and Cadherin Genotype in Pink Bollworm. <i>Journal of Economic Entomology</i> , 2005, 98, 635-644.	1.8	85
11	Multiple origins of pyrethroid resistance in sympatric biotypes of <i>Bemisia tabaci</i> (Hemiptera: Tj ETQq1 1 0.784314,rgBT /Overlock 10 ff	2.7	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.	4.8	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.	3.0	62
14	DNA-based detection of Bt resistance alleles in pink bollworm. <i>Insect Biochemistry and Molecular Biology</i> , 2004, 34, 1225-1233.	2.7	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.	2.7	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.	1.8	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.	3.5	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.	2.7	49

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19	Inside out: microbiota dynamics during host-plant adaptation of whiteflies. ISME Journal, 2020, 14, 847-856.	9.8	48
20	Insights into the transcriptomics of polyphagy: Bemisia tabaci adaptability to phenylpropanoids involves coordinated expression of defense and metabolic genes. Insect Biochemistry and Molecular Biology, 2012, 42, 251-263.	2.7	44
21	Glucosinolate Desulfation by the Phloem-Feeding Insect Bemisia tabaci. Journal of Chemical Ecology, 2016, 42, 230-235.	1.8	42
22	Molecular diagnostics for detecting pyrethroid and organophosphate resistance mutations in the Q biotype of the whitefly Bemisia tabaci (Hemiptera: Aleyrodidae). Pesticide Biochemistry and Physiology, 2009, 94, 49-54.	3.6	40
23	The gene road to royalty â€“ differential expression of hydroxylating genes in the mandibular glands of the honeybee. FEBS Journal, 2009, 276, 5481-5490.	4.7	40
24	Speciesâ€™ complex diversification and hostâ€™ plant associations in <i>Bemisia tabaci</i>: A plantâ€™ defence, detoxification perspective revealed by <scp>RNA</scp>â€™seq analyses. Molecular Ecology, 2018, 27, 4241-4256.	3.9	39
25	Sustained susceptibility of pink bollworm to Bt cotton in the United States. GM Crops and Food, 2012, 3, 194-200.	3.8	38
26	Inoculation of tomato plants with rhizobacteria enhances the performance of the phloem-feeding insect Bemisia tabaci. Frontiers in Plant Science, 2013, 4, 306.	3.6	38
27	Activation of the Phenylpropanoid Pathway in Nicotiana tabacum Improves the Performance of the Whitefly Bemisia tabaci via Reduced Jasmonate Signaling. PLoS ONE, 2013, 8, e76619.	2.5	33
28	Shared Genetic Basis of Resistance to Bt Toxin Cry1Ac in Independent Strains of Pink Bollworm. Journal of Economic Entomology, 2004, 97, 721-726.	1.8	32
29	Glucosylation prevents plant defense activation in phloem-feeding insects. Nature Chemical Biology, 2020, 16, 1420-1426.	8.0	30
30	Projecting pest population dynamics under global warming: the combined effect of interâ€™ and intraâ€™ annual variations. Ecological Applications, 2016, 26, 1198-1210.	3.8	28
31	Resistance to Insecticides in the TYLCV vector, Bemisia Tabaci. , 2007, , 305-325.		28
32	Arabidopsis thaliana Plants with Different Levels of Aliphatic- and Indolyl-Glucosinolates Affect Host Selection and Performance of Bemisia tabaci. Journal of Chemical Ecology, 2013, 39, 1361-1372.	1.8	26
33	Only a minority of broad-range detoxification genes respond to a variety of phytotoxins in generalist Bemisia tabaci species. Scientific Reports, 2015, 5, 17975.	3.3	26
34	Reversal of resistance to pyriproxyfen in the Q biotype of Bemisia tabaci (Hemiptera: Aleyrodidae). Pest Management Science, 2007, 63, 761-768.	3.4	25
35	Transmission of Tomato Yellow Leaf Curl Geminivirus to Imidacloprid Treated Tomato Plants by the Whitefly Bemisia tabaci (Homoptera: Aleyrodidae). Journal of Economic Entomology, 1999, 92, 658-662.	1.8	24
36	Can CRISPR gene drive work in pest and beneficial haplodiploid species?. Evolutionary Applications, 2020, 13, 2392-2403.	3.1	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.	1.8	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.	1.6	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.	2.5	17
40	Activation and detoxification of cassava cyanogenic glucosides by the whitefly <i>Bemisia tabaci</i> . <i>Scientific Reports</i> , 2021, 11, 13244.	3.3	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.	2.5	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.	3.1	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.	3.5	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.	0.5	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.	3.4	6
46	Decision support for pest management: Using field data for optimizing temperature-dependent population dynamics models. <i>Ecological Modelling</i> , 2021, 440, 109402.	2.5	3