

Wei Dou

List of Publications by Year in descending order

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76
papers

1,578
citations

304602

22
h-index

414303

32
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76
all docs

76
docs citations

76
times ranked

1302
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression profiles of tyrosine metabolic pathway genes and functional analysis of <sc>DOPA</sc> decarboxylase in puparium tanning of <i>Bactrocera dorsalis</i> (<sc>Hendel</sc>). Pest Management Science, 2022, 78, 344-354.	1.7	6
2	<sc>CYP314A1</sc>â€dependent 20â€hydroxyecdysone biosynthesis is involved in regulating the development of pupal diapause and energy metabolism in the Chinese citrus fruit fly, <i>Bactrocera minax</i>. Pest Management Science, 2022, 78, 3384-3393.	1.7	5
3	NADPH â€cytochrome P450 reductase mediates the susceptibility of Asian citrus psyllid <i>Diaphorina citri</i> to imidacloprid and thiamethoxam. Pest Management Science, 2021, 77, 677-685.	1.7	8
4	Ovary-Specific Transcriptome and Essential Role of <i>Nanos</i> in Ovary Development in the Oriental Fruit Fly (Diptera: Tephritidae). Journal of Economic Entomology, 2021, 114, 947-958.	0.8	6
5	An odorantâ€binding protein of Asian citrus psyllid, <i>Diaphorina citri</i>, participates in the response of host plant volatiles. Pest Management Science, 2021, 77, 3068-3079.	1.7	19
6	<sc>RNA</sc> interference of <i>Argonauteâ€1</i> delays ovarian development in the oriental fruit fly, <sc><i>Bactrocera dorsalis</i></sc> (<sc>Hendel</sc>). Pest Management Science, 2021, 77, 3921-3933.	1.7	7
7	Regulatory roles of microRNAs in insect pests: prospective targets for insect pest control. Current Opinion in Biotechnology, 2021, 70, 158-166.	3.3	33
8	Genomeâ€wide identification of long nonâ€coding <sc>RNAs</sc> (<sc>lncRNAs</sc>) associated with malathion resistance in <sc><i>Bactrocera dorsalis</i></sc>. Pest Management Science, 2021, 77, 2292-2301.	1.7	19
9	The Influence of Temperature and Host Gender on Bacterial Communities in the Asian Citrus Psyllid. Insects, 2021, 12, 1054.	1.0	4
10	Monitoring the Resistance of the Citrus Red Mite (Acari: Tetranychidae) to Four Acaricides in Different Citrus Orchards in China. Journal of Economic Entomology, 2020, 113, 918-923.	0.8	19
11	A Transcriptomic and Proteomic Analysis of the <i>Diaphorina citri</i> Salivary Glands Reveals Genes Responding to <i>Candidatus Liberibacter asiaticus</i> . Frontiers in Physiology, 2020, 11, 582505.	1.3	10
12	Identification and profiling of <i>Bactrocera dorsalis</i> microRNAs and their potential roles in regulating the developmental transitions of egg hatching, molting, pupation and adult eclosion. Insect Biochemistry and Molecular Biology, 2020, 127, 103475.	1.2	21
13	Knockdown of specific cuticular proteins analogous to peritrophin 3 genes disrupt larval and ovarian development in <i>Bactrocera dorsalis</i> (Diptera: Tephritidae). Insect Science, 2020, 28, 1326-1337.	1.5	5
14	Genomeâ€wide and expressionâ€profiling analyses of the cytochrome <sc>P450</sc> genes in <sc><i>Bactrocera dorsalis</i></sc> (Hendel) and screening of candidate <sc>P450</sc> genes associated with malathion resistance. Pest Management Science, 2020, 76, 2932-2943.	1.7	17
15	Molecular Characterization and Expression Profiling of Nuclear Receptor Gene Families in Oriental Fruit Fly, <i>Bactrocera Dorsalis</i> (Hendel). Insects, 2020, 11, 126.	1.0	7
16	Assessment of <i>Bactrocera dorsalis</i> (Diptera: Tephritidae) Diets on Adult Fecundity and Larval Development: Insights Into Employing the Sterile Insect Technique. Journal of Insect Science, 2020, 20, .	0.6	16
17	Potential targets for controlling <sc><i>Bactrocera dorsalis</i></sc> using cuticleâ€and hormoneâ€related genes revealed by a developmental transcriptome analysis. Pest Management Science, 2020, 76, 2127-2143.	1.7	20
18	Characterization of Esterase Genes Involving Malathion Detoxification and Establishment of an RNA Interference Method in <i>Liposcelis bostrychophila</i> . Frontiers in Physiology, 2020, 11, 274.	1.3	23

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19	Crustacean cardioactive peptide (CCAP) of the oriental fruit fly, <i>Bactrocera dorsalis</i> (Diptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Peptides, 2019, 122, 169929.	1.2	6
20	Expression dynamics of key ecdysteroid and juvenile hormone biosynthesis genes imply a coordinated regulation pattern in the molting process of a spider mite, <i>Tetranychus urticae</i> . <i>Experimental and Applied Acarology</i> , 2019, 78, 361-372.	0.7	13
21	Recent research status of <i>Bactrocera dorsalis</i> : Insights from resistance mechanisms and population structure. <i>Archives of Insect Biochemistry and Physiology</i> , 2019, 102, e21601.	0.6	21
22	First Insights into the Intrapuparial Development of <i>Bactrocera dorsalis</i> (Hendel): Application in Predicting Emergence Time for Tephritid Fly Control. <i>Insects</i> , 2019, 10, 283.	1.0	9
23	Genome-wide identification of ATP-binding cassette transporters and expression profiles in the Asian citrus psyllid, <i>Diaphorina citri</i> , exposed to imidacloprid. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019, 30, 305-311.	0.4	22
24	The Ecdysis Triggering Hormone System, via ETH/ETHR-B, Is Essential for Successful Reproduction of a Major Pest Insect, <i>Bactrocera dorsalis</i> (Hendel). <i>Frontiers in Physiology</i> , 2019, 10, 151.	1.3	27
25	Genome-Wide Analysis of MicroRNAs in Relation to Pupariation in Oriental Fruit Fly. <i>Frontiers in Physiology</i> , 2019, 10, 301.	1.3	22
26	Genome-wide identification of chitinase and chitin deacetylase gene families in the oriental fruit fly, <i>Bactrocera dorsalis</i> (Hendel). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2018, 27, 13-22.	0.4	21
27	Genome-wide annotation of cuticular proteins in the oriental fruit fly (<i>Bactrocera dorsalis</i>), changes during pupariation and expression analysis of CPAP3 protein genes in response to environmental stresses. <i>Insect Biochemistry and Molecular Biology</i> , 2018, 97, 53-70.	1.2	33
28	Tyrosine hydroxylase coordinates larval pupal tanning and immunity in oriental fruit fly (<i>Bactrocera dorsalis</i>). <i>Pest Management Science</i> , 2018, 74, 569-578.	1.7	28
29	RNA-seq analysis of gene expression changes during pupariation in <i>Bactrocera dorsalis</i> (Hendel) (Diptera: Tephritidae). <i>BMC Genomics</i> , 2018, 19, 693.	1.2	29
30	NADPH-Cytochrome P450 Reductase Mediates the Resistance of <i>Aphis (Toxoptera) citricidus</i> (Kirkaldy) to Abamectin. <i>Frontiers in Physiology</i> , 2018, 9, 986.	1.3	23
31	Antioxidant Role of PcGSTd1 in Fenpropathrin Resistant Population of the Citrus Red Mite, <i>Panonychus citri</i> (McGregor). <i>Frontiers in Physiology</i> , 2018, 9, 314.	1.3	7
32	Involvement of Met and Kr-h1 in JH-Mediated Reproduction of Female <i>Bactrocera dorsalis</i> (Hendel). <i>Frontiers in Physiology</i> , 2018, 9, 482.	1.3	54
33	Antimicrobial peptide gene BdPho responds to peptidoglycan infection and mating stimulation in oriental fruit fly, <i>Bactrocera dorsalis</i> (Hendel). <i>AMB Express</i> , 2018, 8, 5.	1.4	7
34	Diversity of Bacterial Communities in the Intestinal Tracts of Two Geographically Distant Populations of <i>Bactrocera dorsalis</i> (Diptera: Tephritidae). <i>Journal of Economic Entomology</i> , 2018, 111, 2861-2868.	0.8	20
35	Molecular cloning, mRNA expression and alternative splicing of a ryanodine receptor gene from the citrus whitefly, <i>Dialeurodes citri</i> (Ashmead). <i>Pesticide Biochemistry and Physiology</i> , 2017, 142, 59-66.	1.6	5
36	Antimicrobial peptide gene cecropin-2 and defensin respond to peptidoglycan infection in the female adult of oriental fruit fly, <i>Bactrocera dorsalis</i> (Hendel). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2017, 206, 1-7.	0.7	15

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37	Identification of responsive proteins in <i>Panonychus citri</i> exposed to abamectin by a proteomic approach. <i>Journal of Proteomics</i> , 2017, 158, 9-19.	1.2	2
38	Comparative Transcriptome Analysis of Three <i>Bactrocera dorsalis</i> (Diptera: Tephritidae) Organs to Identify Functional Genes in the Male Accessory Glands and Ejaculatory Duct. <i>Florida Entomologist</i> , 2017, 100, 42-51.	0.2	11
39	Characterization and expression patterns of key ecdysteroid biosynthesis and signaling genes in a spider mite (<i>Panonychus citri</i>). <i>Insect Biochemistry and Molecular Biology</i> , 2017, 87, 136-146.	1.2	35
40	Characteristics of six small heat shock protein genes from <i>Bactrocera dorsalis</i> : Diverse expression under conditions of thermal stress and normal growth. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2017, 213, 8-16.	0.7	17
41	The alternative splicing of <i>BdTai</i> and its involvement in the development of <i>Bactrocera dorsalis</i> (Hendel). <i>Journal of Insect Physiology</i> , 2017, 101, 132-141.	0.9	11
42	Abamectin treatment affects glutamate decarboxylase expression and induces higher GABA levels in the citrus red mite, <i>Panonychus citri</i> . <i>Experimental and Applied Acarology</i> , 2017, 72, 229-244.	0.7	3
43	Determination of Instars of <i>Bactrocera dorsalis</i> (Diptera: Tephritidae). <i>Florida Entomologist</i> , 2017, 100, 270-275.	0.2	9
44	Functional analysis of five trypsin-like protease genes in the oriental fruit fly, <i>Bactrocera dorsalis</i> (Diptera: Tephritidae). <i>Pesticide Biochemistry and Physiology</i> , 2017, 136, 52-57.	1.6	15
45	Involvement of Three Esterase Genes from <i>Panonychus citri</i> (McGregor) in Fenpropathrin Resistance. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1361.	1.8	19
46	CHARACTERIZATION AND EXPRESSION PROFILES OF FIVE POSSIBLE CYTOCHROME P450 GENES FROM <i>Liposcelis entomophila</i> (ENDERLEIN) (PSOCOPTERA: LIPOSCELIDIDAE). <i>Archives of Insect Biochemistry and Physiology</i> , 2016, 92, 259-273.	0.6	6
47	The mitochondrial genome of booklouse, <i>Liposcelis sculptilis</i> (Psocoptera: Liposcelididae) and the evolutionary timescale of <i>Liposcelis</i> . <i>Scientific Reports</i> , 2016, 6, 30660.	1.6	18
48	Characterization and functional analysis of a novel glutathione S-transferase gene potentially associated with the abamectin resistance in <i>Panonychus citri</i> (McGregor). <i>Pesticide Biochemistry and Physiology</i> , 2016, 132, 72-80.	1.6	43
49	Functional analysis of a chitinase gene during the larval-nymph transition in <i>Panonychus citri</i> by RNA interference. <i>Experimental and Applied Acarology</i> , 2016, 70, 1-15.	0.7	21
50	Differential expression of genes in the alate and apterous morphs of the brown citrus aphid, <i>Toxoptera citricida</i> . <i>Scientific Reports</i> , 2016, 6, 32099.	1.6	34
51	The epsilon glutathione S-transferases contribute to the malathion resistance in the oriental fruit fly, <i>Bactrocera dorsalis</i> (Hendel). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016, 180, 40-48.	1.3	29
52	Transcriptome analysis to identify genes for peptides and proteins involved in immunity and reproduction from male accessory glands and ejaculatory duct of <i>Bactrocera dorsalis</i> . <i>Peptides</i> , 2016, 80, 48-60.	1.2	23
53	Effects of Ethacrynic Acid Addition to Diet on Fitness and Development in the Psocid <i>Liposcelis bostrychophila</i> Badonnel. <i>Environmental Entomology</i> , 2016, 45, 252-257.	0.7	2
54	Proteome analysis of male accessory gland secretions in oriental fruit flies reveals juvenile hormone-binding protein, suggesting impact on female reproduction. <i>Scientific Reports</i> , 2015, 5, 16845.	1.6	17

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55	Functional characterization of NADPH-cytochrome P450 reductase from <i>Bactrocera dorsalis</i> : Possible involvement in susceptibility to malathion. <i>Scientific Reports</i> , 2015, 5, 18394.	1.6	34
56	Comparative proteomic analysis of <i>Bactrocera dorsalis</i> (Hendel) in response to thermal stress. <i>Journal of Insect Physiology</i> , 2015, 74, 16-24.	0.9	23
57	Molecular characterisation of a sodium channel gene and identification of a Phe1538 to Ile mutation in citrus red mite, <i>Panonychus citri</i> . <i>Pest Management Science</i> , 2015, 71, 266-277.	1.7	16
58	Female remating inhibition and fitness of <i>Bactrocera dorsalis</i> (Diptera: Tephritidae) associated with male accessory glands. <i>Florida Entomologist</i> , 2015, 98, 52-58.	0.2	30
59	Molecular Characterization of Vitellogenin and Its Receptor Genes from Citrus Red Mite, <i>Panonychus citri</i> (McGregor). <i>International Journal of Molecular Sciences</i> , 2015, 16, 4759-4773.	1.8	25
60	Molecular Characteristics, mRNA Expression, and Alternative Splicing of a Ryanodine Receptor Gene in the Oriental Fruit Fly, <i>Bactrocera dorsalis</i> (Hendel). <i>PLoS ONE</i> , 2014, 9, e95199.	1.1	10
61	Characterization of <i>Bactrocera dorsalis</i> Serine Proteases and Evidence for Their Indirect Role in Insecticide Tolerance. <i>International Journal of Molecular Sciences</i> , 2014, 15, 3272-3286.	1.8	12
62	Exposure to Diflubenzuron Results in an Up-Regulation of a Chitin Synthase 1 Gene in Citrus Red Mite, <i>Panonychus citri</i> (Acari: Tetranychidae). <i>International Journal of Molecular Sciences</i> , 2014, 15, 3711-3728.	1.8	23
63	Alternative splicing contributes to the coordinated regulation of ferritin subunit levels in <i>Bactrocera dorsalis</i> (Hendel). <i>Scientific Reports</i> , 2014, 4, 4806.	1.6	19
64	The Complete Mitochondrial Genome of the Booklouse, <i>Liposcelis decolor</i> : Insights into Gene Arrangement and Genome Organization within the Genus <i>Liposcelis</i> . <i>PLoS ONE</i> , 2014, 9, e91902.	1.1	12
65	MOLECULAR CHARACTERIZATION OF TWO CARBOXYLESTERASE GENES OF THE CITRUS RED MITE, <i>Panonychus citri</i> (ACARI: TETRANYCHIDAE). <i>Archives of Insect Biochemistry and Physiology</i> , 2013, 82, 213-226.	0.6	13
66	Transcription profiling of two cytochrome P450 genes potentially involved in acaricide metabolism in citrus red mite <i>Panonychus citri</i> . <i>Pesticide Biochemistry and Physiology</i> , 2013, 106, 28-37.	1.6	36
67	Identification and Characterization of Seven Glutathione S-Transferase Genes from Citrus Red Mite, <i>Panonychus citri</i> (McGregor). <i>International Journal of Molecular Sciences</i> , 2013, 14, 24255-24270.	1.8	23
68	Transcriptional Regulation of a Chitinase Gene by 20-Hydroxyecdysone and Starvation in the Oriental Fruit Fly, <i>Bactrocera dorsalis</i> . <i>International Journal of Molecular Sciences</i> , 2013, 14, 20048-20063.	1.8	27
69	Toxicities and Synergistic Effects of Several Insecticides Against the Oriental Fruit Fly (Diptera: Tephritidae) Tj ETQq1 1 0.784314,rgBT /Oyerlock 10	0.8	80
70	Mining Genes Involved in Insecticide Resistance of <i>Liposcelis bostrychophila</i> Badonnel by Transcriptome and Expression Profile Analysis. <i>PLoS ONE</i> , 2013, 8, e79878.	1.1	18
71	Molecular Characterization of the cDNA Encoding Ecdysone Receptor Isoform B1 and Its Expression in the Oriental Fruit Fly, <i>Bactrocera dorsalis</i> (Diptera: Tephritidae). <i>Florida Entomologist</i> , 2012, 95, 650-658.	0.2	20
72	Biochemical and molecular characterisation of acetylcholinesterase in four field populations of <i>Bactrocera dorsalis</i> (Hendel) (Diptera: Tephritidae). <i>Pest Management Science</i> , 2012, 68, 1553-1563.	1.7	29

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73	Susceptibility and Activity of Glutathione <i>S</i> -Transferases in Nine Field Populations of <i>Panonychus citri</i> (Acari: Tetranychidae) to Pyridaben and Azocyclotin. Florida Entomologist, 2011, 94, 321-329.	0.2	27
74	Transcriptome Analysis of the Oriental Fruit Fly (<i>Bactrocera dorsalis</i>). PLoS ONE, 2011, 6, e29127.	1.1	135
75	Morphological Characterization and Distribution of Antennal Sensilla of Six Fruit Flies (Diptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,622 Td (T	1.3	29
76	Susceptibility and esterase activity in citrus red mite <i>Panonychus citri</i> (McGregor) (Acari:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,622 Td (T	0.3	15