

Xiao-Ping Wang

List of Publications by Year in descending order

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82
papers

2,087
citations

186265

28
h-index

276875

41
g-index

82
all docs

82
docs citations

82
times ranked

1610
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultraviolet light-induced oxidative stress: Effects on antioxidant response of <i>Helicoverpa armigera</i> adults. <i>Journal of Insect Physiology</i> , 2009, 55, 588-592.	2.0	149
2	Bioconversion performance and life table of black soldier fly (<i>Hermetia illucens</i>) on fermented maize straw. <i>Journal of Cleaner Production</i> , 2019, 230, 974-980.	9.3	118
3	Juvenile hormone facilitates the antagonism between adult reproduction and diapause through the methoprene-tolerant gene in the female <i>Colaphellus bowringi</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 74, 50-60.	2.7	81
4	Cadherin is involved in the action of <i>Bacillus thuringiensis</i> toxins Cry1Ac and Cry2Aa in the beet armyworm, <i>Spodoptera exigua</i> . <i>Journal of Invertebrate Pathology</i> , 2015, 127, 47-53.	3.2	64
5	Speciation of heavy metals and bacteria in cow dung after vermicomposting by the earthworm, <i>Eisenia fetida</i> . <i>Bioresource Technology</i> , 2017, 245, 411-418.	9.6	62
6	Fatty acid synthase 2 contributes to diapause preparation in a beetle by regulating lipid accumulation and stress tolerance genes expression. <i>Scientific Reports</i> , 2017, 7, 40509.	3.3	60
7	Describing the Diapause-Preparatory Proteome of the Beetle <i>Colaphellus bowringi</i> and Identifying Candidates Affecting Lipid Accumulation Using Isobaric Tags for Mass Spectrometry-Based Proteome Quantification (iTRAQ). <i>Frontiers in Physiology</i> , 2017, 8, 251.	2.8	60
8	Steroid hormone ecdysone deficiency stimulates preparation for photoperiodic reproductive diapause. <i>PLoS Genetics</i> , 2021, 17, e1009352.	3.5	59
9	Effects of diapause duration on future reproduction in the cabbage beetle, <i>Colaphellus bowringi</i> : positive or negative?. <i>Physiological Entomology</i> , 2006, 31, 190-196.	1.5	52
10	The gut microbiota in larvae of the housefly <i>Musca domestica</i> and their horizontal transfer through feeding. <i>AMB Express</i> , 2017, 7, 147.	3.0	49
11	Circadian clock genes link photoperiodic signals to lipid accumulation during diapause preparation in the diapause-destined female cabbage beetles <i>Colaphellus bowringi</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 104, 1-10.	2.7	47
12	Relationships between body weight of overwintering larvae and supercooling capacity; diapause intensity and post-diapause reproductive potential in <i>Chilo suppressalis</i> Walker. <i>Journal of Insect Physiology</i> , 2011, 57, 653-659.	2.0	45
13	Effects of UV-A exposures on longevity and reproduction in <i>Helicoverpa armigera</i> , and on the development of its F1 generation. <i>Insect Science</i> , 2011, 18, 697-702.	3.0	43
14	Effects of photoperiod and temperature on diapause induction and termination in the swallowtail, <i>Sericanus montelus</i> . <i>Physiological Entomology</i> , 2009, 34, 158-162.	1.5	42
15	Diapause induction and clock mechanism in the cabbage beetle, <i>Colaphellus bowringi</i> (Coleoptera: Tj ETQq1 1 0.784314 rgBT ₄₁ /Overl	2.0	41
16	A De Novo Transcriptome and Valid Reference Genes for Quantitative Real-Time PCR in <i>Colaphellus bowringi</i> . <i>PLoS ONE</i> , 2015, 10, e0118693.	2.5	40
17	Identification of Host-Plant Volatiles and Characterization of Two Novel General Odorant-Binding Proteins from the Legume Pod Borer, <i>Maruca vitrata</i> Fabricius (Lepidoptera: Crambidae). <i>PLoS ONE</i> , 2015, 10, e0141208.	2.5	37
18	Analysis of pupal head proteome and its alteration in diapausing pupae of <i>Helicoverpa armigera</i> . <i>Journal of Insect Physiology</i> , 2010, 56, 247-252.	2.0	35

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19	Association between gut microbiota and diapause preparation in the cabbage beetle: a new perspective for studying insect diapause. <i>Scientific Reports</i> , 2016, 6, 38900.	3.3	33
20	Absence of juvenile hormone signalling regulates the dynamic expression profiles of nutritional metabolism genes during diapause preparation in the cabbage beetle <i>Colaphellus bowringi</i> . <i>Insect Molecular Biology</i> , 2017, 26, 530-542.	2.0	33
21	Molecular characterization and juvenile hormone-regulated transcription of the vitellogenin receptor in the cabbage beetle <i>Colaphellus bowringi</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 229, 69-75.	1.8	33
22	Differences in the Development of Internal Reproductive Organs, Feeding Amount and Nutrient Storage between Pre-Diapause and Pre-Reproductive <i>Harmonia axyridis</i> Adults. <i>Insects</i> , 2019, 10, 243.	2.2	32
23	Evaluation of Reference Genes for RT-qPCR in <i>Tribolium castaneum</i> (Coleoptera: Tenebrionidae) Under UVB Stress. <i>Environmental Entomology</i> , 2015, 44, 418-425.	1.4	31
24	The limited regulatory roles of juvenile hormone degradation pathways in reproductive diapause preparation of the cabbage beetle, <i>Colaphellus bowringi</i> . <i>Journal of Insect Physiology</i> , 2019, 119, 103967.	2.0	31
25	Juvenile hormone regulates the differential expression of putative juvenile hormone esterases via methoprene-tolerant in non-diapause-destined and diapause-destined adult female beetle. <i>Gene</i> , 2017, 627, 373-378.	2.2	30
26	RNA interference knockdown of aminopeptidase N genes decrease the susceptibility of <i>Chilo suppressalis</i> larvae to Cry1Ab/Cry1Ac and Cry1Ca-expressing transgenic rice. <i>Journal of Invertebrate Pathology</i> , 2017, 145, 9-12.	3.2	29
27	Relationship between the natural duration of diapause and post-diapause reproduction in the cabbage beetle, <i>Colaphellus bowringi</i> (Coleoptera: Chrysomelidae). <i>European Journal of Entomology</i> , 2010, 107, 337-340.	1.2	29
28	Effects of thermoperiods on diapause induction in the cabbage beetle, <i>Colaphellus bowringi</i> (Coleoptera: Chrysomelidae). <i>Physiological Entomology</i> , 2004, 29, 419-425.	1.5	28
29	Host plant mediation of diapause induction in the cabbage beetle, <i>Colaphellus bowringi</i> Baly (Coleoptera: Chrysomelidae). <i>Insect Science</i> , 2006, 13, 189-193.	3.0	28
30	Tracing heavy metals in swine manure - maggot - chicken™ production chain. <i>Scientific Reports</i> , 2017, 7, 8417.	3.3	27
31	The role of temperature and photoperiod in diapause induction in the brassica leaf beetle, <i>Phaedon brassicae</i> (Coleoptera: Chrysomelidae). <i>European Journal of Entomology</i> , 2007, 104, 693-697.	1.2	27
32	Overwintering strategy of endoparasitoids in <i>Chilo suppressalis</i> : a perspective from the cold hardiness of a host. <i>Entomologia Experimentalis Et Applicata</i> , 2013, 146, 398-403.	1.4	26
33	Bt proteins Cry1Ah and Cry2Ab do not affect cotton aphid <i>Aphis gossypii</i> and ladybeetle <i>Propylea japonica</i> . <i>Scientific Reports</i> , 2016, 6, 20368.	3.3	24
34	Thermoperiodic response and effect of photoperiod on thermoperiodic induction of diapause in <i>Colaphellus bowringi</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2007, 124, 299-304.	1.4	23
35	Projecting Overwintering Regions of the Beet Armyworm, <i>Spodoptera exigua</i> in China using the CLIMEX Model. <i>Journal of Insect Science</i> , 2012, 12, 1-13.	1.5	23
36	Effect of soil moisture on overwintering pupae in <i>Spodoptera exigua</i> (Lepidoptera: Noctuidae). <i>Applied Entomology and Zoology</i> , 2013, 48, 365-371.	1.2	23

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37	Enhancement of supercooling capacity and survival by cold acclimation, rapid cold and heat hardening in <i>Spodoptera exigua</i> . <i>Cryobiology</i> , 2011, 63, 164-169.	0.7	22
38	Geographic variation in photoperiodic diapause induction and diapause intensity in <i>Sericinus montelus</i> (Lepidoptera: Papilionidae). <i>Insect Science</i> , 2012, 19, 295-302.	3.0	22
39	Differences in the pre-diapause and post-diapause accumulation of critical nutrients in adult females of the beetle <i>Colaphellus bowringi</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2016, 160, 117-125.	1.4	22
40	Sex pheromone recognition and characterization of three pheromone-binding proteins in the legume pod borer, <i>Maruca vitrata</i> Fabricius (Lepidoptera: Crambidae). <i>Scientific Reports</i> , 2016, 6, 34484.	3.3	22
41	Divergence in larval diapause induction between the rice and water-oat populations of the striped stem borer, <i>Chilo suppressalis</i> (Walker) (Lepidoptera: Crambidae). <i>Environmental Science and Pollution Research</i> , 2018, 25, 29715-29724.	5.3	22
42	Antennal and behavioral responses of female <i>Maruca vitrata</i> to the floral volatiles of <i>Vigna unguiculata</i> and <i>Lycopersicon esculentum</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2014, 152, 248-257.	1.4	19
43	Proteomic analysis of Cry2Aa-binding proteins and their receptor function in <i>Spodoptera exigua</i> . <i>Scientific Reports</i> , 2017, 7, 40222.	3.3	19
44	Transgenic Bt rice lines producing Cry1Ac, Cry2Aa or Cry1Ca have no detrimental effects on Brown Planthopper and Pond Wolf Spider. <i>Scientific Reports</i> , 2017, 7, 1940.	3.3	17
45	Members of the neuropeptide transcriptional network in <i>Helicoverpa armigera</i> and their expression in response to light stress. <i>Gene</i> , 2018, 671, 67-77.	2.2	17
46	Effect of sulfonamide pollution on the growth of manure management candidate <i>Hermetia illucens</i> . <i>PLoS ONE</i> , 2019, 14, e0216086.	2.5	17
47	Identification of three metallothioneins in the black soldier fly and their functions in Cd accumulation and detoxification. <i>Environmental Pollution</i> , 2021, 286, 117146.	7.5	17
48	<i>Chrysomya megacephala</i> larvae feeding favourably influences manure microbiome, heavy metal stability and greenhouse gas emissions. <i>Microbial Biotechnology</i> , 2018, 11, 498-509.	4.2	16
49	Effect of photoperiod associated with diapause induction on the accumulation of metabolites in <i>Sericinus montelus</i> (Lepidoptera: Papilionidae). <i>Applied Entomology and Zoology</i> , 2007, 42, 419-424.	1.2	15
50	UVB Radiation Delays <i>Tribolium castaneum</i> Metamorphosis by Influencing Ecdysteroid Metabolism. <i>PLoS ONE</i> , 2016, 11, e0151831.	2.5	13
51	MAPK Signaling Pathway Is Essential for Female Reproductive Regulation in the Cabbage Beetle, <i>Colaphellus bowringi</i> . <i>Cells</i> , 2022, 11, 1602.	4.1	13
52	A comparison of the larval overwintering biology of the striped stem borer, <i>Chilo suppressalis</i> (Lepidoptera: Crambidae), in rice and water-oat fields. <i>Applied Entomology and Zoology</i> , 2013, 48, 147-153.	1.2	12
53	Metallothionein in <i>Hermetia illucens</i> (Linnaeus, 1758) larvae (Diptera: Stratiomyidae), a potential biomarker for organic waste system. <i>Environmental Science and Pollution Research</i> , 2018, 25, 5379-5385.	5.3	12
54	Juvenile hormone biosynthetic genes are critical for regulating reproductive diapause in the cabbage beetle. <i>Insect Biochemistry and Molecular Biology</i> , 2021, 139, 103654.	2.7	12

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55	Do differences in life-history traits and the timing of peak mating activity between host-associated populations of <i>Chilo suppressalis</i> have a genetic basis?. <i>Ecology and Evolution</i> , 2016, 6, 4478-4487.	1.9	11
56	Knockdown of the MAPK p38 pathway increases the susceptibility of <i>Chilo suppressalis</i> larvae to <i>Bacillus thuringiensis</i> Cry1Ca toxin. <i>Scientific Reports</i> , 2017, 7, 43964.	3.3	11
57	Starvation-, thermal- and heavy metal- associated expression of four small heat shock protein genes in <i>Musca domestica</i> . <i>Gene</i> , 2018, 642, 268-276.	2.2	11
58	Krüppel homolog 1 regulates photoperiodic reproductive plasticity in the cabbage beetle <i>Colaphellus bowringi</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2021, 134, 103582.	2.7	11
59	The Role of p38 MAPK, JNK, and ERK in Antibacterial Responses of <i>Chilo suppressalis</i> (Lepidoptera: Tj ETQq1 1 0.784314 rgBT/Overlock 1.8 11	1.8	11
60	Molecular characterization and functional analysis of two trehalose transporter genes in the cabbage beetle, <i>Colaphellus bowringi</i> . <i>Journal of Asia-Pacific Entomology</i> , 2020, 23, 627-633.	0.9	10
61	Juvenile hormone regulates photoperiod-mediated male reproductive diapause via the methoprene-tolerant gene in the ladybeetle <i>Harmonia axyridis</i> . <i>Insect Science</i> , 2022, 29, 139-150.	3.0	10
62	Key role of juvenile hormone in controlling reproductive diapause in females of the Asian lady beetle <i>Harmonia axyridis</i> . <i>Pest Management Science</i> , 2022, 78, 193-204.	3.4	10
63	Male-Biased Capture in Light Traps in <i>Spodoptera exigua</i> (Lepidoptera: Noctuidae): Results from the Studies of Reproductive Activities. <i>Journal of Insect Behavior</i> , 2016, 29, 368-378.	0.7	9
64	Internal Reproductive System and Diapausing Morphology of the Brassica Leaf Beetle <i>Phaedon brassicae</i> Baly (Coleoptera: Chrysomelidae: Chrysomelinae). <i>The Coleopterists Bulletin</i> , 2007, 61, 457-462.	0.2	8
65	Difference in diel mating time contributes to assortative mating between host plant-associated populations of <i>Chilo suppressalis</i> . <i>Scientific Reports</i> , 2017, 7, 45265.	3.3	8
66	Identification of Sex of Pupae in the Cabbage Beetle <i>Colaphellus Bowringi</i> Baly (Coleoptera: Tj ETQq0 0 0 rgBT/Overlock 10 Jf 50 302 T 0.2 7	0.2	7
67	Examination of Parental Effect on the Progeny Diapause by Reciprocal Cross Test in the Cabbage Beetle, <i>Colaphellus bowringi</i> . <i>Journal of Insect Science</i> , 2011, 11, 1-8.	1.5	7
68	Latitudinal pattern in body size in a cockroach, <i>Eupolyphaga sinensis</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2012, 144, 223-230.	1.4	7
69	Latitudinal variation of morphological characteristics in the swallowtail <i>Sericinus montelus</i> Gray, 1798 (Lepidoptera: Papilionidae). <i>Acta Zoologica</i> , 2015, 96, 242-252.	0.8	7
70	Aminopeptidase N1 is involved in <i>Bacillus thuringiensis</i> Cry1Ac toxicity in the beet armyworm, <i>Spodoptera exigua</i> . <i>Scientific Reports</i> , 2017, 7, 45007.	3.3	7
71	Effects of the larval host plant on the supercooling capacity and physiological characteristics of beet armyworm pupae, <i>Spodoptera exigua</i> (Lepidoptera: Noctuidae). <i>Journal of Plant Diseases and Protection</i> , 2014, 121, 202-210.	2.9	6
72	Differential expression of circadian clock genes in two strains of beetles reveals candidates related to photoperiodic induction of summer diapause. <i>Gene</i> , 2017, 603, 9-14.	2.2	6

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73	Host population related variations in circadian clock gene sequences and expression patterns in <i>Chilo suppressalis</i> . <i>Chronobiology International</i> , 2019, 36, 969-978.	2.0	5
74	Targeting coat protein complex genes via RNA interference inhibits female adult feeding and reproductive development in the cabbage beetle <i>Colaphellus bowringi</i> . <i>Pest Management Science</i> , 2022, 78, 2141-2150.	3.4	5
75	PacBio Long-Read Sequencing Transcriptome Dataset of Adult <i>Harmonia axyridis</i> Under Diapause Inducing and Reproductive Inducing Photoperiod. <i>Frontiers in Genetics</i> , 2020, 11, 1010.	2.3	3
76	Lipin modulates lipid metabolism during reproduction in the cabbage beetle. <i>Insect Biochemistry and Molecular Biology</i> , 2021, 139, 103668.	2.7	3
77	Genes from Carboxypeptidase A, glutathione S-transferase, and cytochrome b families were found involved in lead transport in insect <i>Musca domestica</i> . <i>Ecotoxicology and Environmental Safety</i> , 2022, 230, 113113.	6.0	3
78	The circadian rhythm of flight activity of <i>Silvius</i> <i>podoptera exigua</i> males in response to sex pheromone. <i>Entomologia Experimentalis Et Applicata</i> , 2015, 154, 154-160.	1.4	2
79	Biological characteristics of a non-photoperiodic diapause strain of the cabbage beetle <i>Colaphellus bowringi</i> (Coleoptera: Chrysomelidae). <i>Entomological Science</i> , 2017, 20, 50-56.	0.6	2
80	Developmental Differences on the Internal Reproductive Systems between the Prediapause and Prereproductive <i>Riptortus pedestris</i> Adults. <i>Insects</i> , 2020, 11, 347.	2.2	2
81	Thermal effects on development and adult longevity of endoparasitoid <i>Chelonus murakatae</i> Munakata (Hymenoptera: Braconidae). <i>Environmental Science and Pollution Research</i> , 2017, 24, 4926-4931.	5.3	1
82	Comparative transcriptomics of the pheromone glands provides new insights into the differentiation of sex pheromone between two host populations of <i>Chilo suppressalis</i> . <i>Scientific Reports</i> , 2020, 10, 3499.	3.3	1