Xiao-Ping Wang

List of Publications by Year
in descending order

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82	2,087	212478	312153
papers	citations	28 h-index	41 g-index

82	82	82	1735
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Juvenile hormone regulates photoperiodâ€mediated male reproductive diapause via the methopreneâ€tolerant gene in the ladybeetle Harmonia axyridis. Insect Science, 2022, 29, 139-150.	1.5	10
2	Key role of juvenile hormone in controlling reproductive diapause in females of the <scp>Asian</scp> lady beetle <scp>Harmonia axyridis</scp>. Pest Management Science, 2022, 78, 193-204.	1.7	10
3	Genes from Carboxypeptidase A, glutathione S-transferase, and cytochrome b families were found involved in lead transport in insect Musca domestica. Ecotoxicology and Environmental Safety, 2022, 230, 113113.	2.9	3
4	Targeting coat protein <scp>II</scp> complex genes via <scp>RNA</scp> interference inhibits female adult feeding and reproductive development in the cabbage beetle <scp>Colaphellus bowringi</scp>. Pest Management Science, 2022, 78, 2141-2150.	1.7	5
5	MAPK Signaling Pathway Is Essential for Female Reproductive Regulation in the Cabbage Beetle, Colaphellus bowringi. Cells, 2022, 11, 1602.	1.8	13
6	Steroid hormone ecdysone deficiency stimulates preparation for photoperiodic reproductive diapause. PLoS Genetics, 2021, 17, e1009352.	1.5	59
7	KrÃ¼ppel homolog 1 regulates photoperiodic reproductive plasticity in the cabbage beetle Colaphellus bowringi. Insect Biochemistry and Molecular Biology, 2021, 134, 103582.	1.2	11
8	Identification of three metallothioneins in the black soldier fly and their functions in Cd accumulation and detoxification. Environmental Pollution, 2021, 286, 117146.	3.7	17
9	Juvenile hormone biosynthetic genes are critical for regulating reproductive diapause in the cabbage beetle. Insect Biochemistry and Molecular Biology, 2021, 139, 103654.	1.2	12
10	Lipin modulates lipid metabolism during reproduction in the cabbage beetle. Insect Biochemistry and Molecular Biology, 2021, 139, 103668.	1.2	3
11	PacBio Long-Read Sequencing Transcriptome Dataset of Adult Harmonia axyridis Under Diapause Inducing and Reproductive Inducing Photoperiod. Frontiers in Genetics, 2020, 11, 1010.	1.1	3
12	Molecular characterization and functional analysis of two trehalose transporter genes in the cabbage beetle, Colaphellus bowringi. Journal of Asia-Pacific Entomology, 2020, 23, 627-633.	0.4	10
13	Developmental Differences on the Internal Reproductive Systems between the Prediapause and Prereproductive Riptortus pedestris Adults. Insects, 2020, 11, 347.	1.0	2
14	Comparative transcriptomics of the pheromone glands provides new insights into the differentiation of sex pheromone between two host populations of Chilo suppressalis. Scientific Reports, 2020, 10, 3499.	1.6	1
15	Differences in the Development of Internal Reproductive Organs, Feeding Amount and Nutrient Storage between Pre-Diapause and Pre-Reproductive Harmonia axyridis Adults. Insects, 2019, 10, 243.	1.0	32
16	The limited regulatory roles of juvenile hormone degradation pathways in reproductive diapause preparation of the cabbage beetle, Colaphellus bowringi. Journal of Insect Physiology, 2019, 119, 103967.	0.9	31
17	Effect of sulfonamide pollution on the growth of manure management candidate Hermetia illucens. PLoS ONE, 2019, 14, e0216086.	1.1	17
18	Bioconversion performance and life table of black soldier fly (Hermetia illucens) on fermented maize straw. Journal of Cleaner Production, 2019, 230, 974-980.	4.6	118

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19	Host population related variations in circadian clock gene sequences and expression patterns in Chilo suppressalis. Chronobiology International, 2019, 36, 969-978.	0.9	5
20	Molecular characterization and juvenile hormone-regulated transcription of the vitellogenin receptor in the cabbage beetle Colaphellus bowringi. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 229, 69-75.	0.8	33
21	Circadian clock genes link photoperiodic signals to lipid accumulation during diapause preparation in the diapause-destined female cabbage beetles Colaphellus bowringi. Insect Biochemistry and Molecular Biology, 2019, 104, 1-10.	1.2	47
22	Starvation-, thermal- and heavy metal- associated expression of four small heat shock protein genes in Musca domestica. Gene, 2018, 642, 268-276.	1.0	11
23	Chrysomya megacephala larvae feeding favourably influences manure microbiome, heavy metal stability and greenhouse gas emissions. Microbial Biotechnology, 2018, 11, 498-509.	2.0	16
24	Metallothionein in Hermetia illucens (Linnaeus, 1758) larvae (Diptera: Stratiomyidae), a potential biomarker for organic waste system. Environmental Science and Pollution Research, 2018, 25, 5379-5385.	2.7	12
25	Divergence in larval diapause induction between the rice and water-oat populations of the striped stem borer, Chilo suppressalis (Walker) (Lepidoptera: Crambidae). Environmental Science and Pollution Research, 2018, 25, 29715-29724.	2.7	22
26	Members of the neuropeptide transcriptional network in Helicoverpa armigera and their expression in response to light stress. Gene, 2018, 671, 67-77.	1.0	17
27	Proteomic analysis of Cry2Aa-binding proteins and their receptor function in Spodoptera exigua. Scientific Reports, 2017, 7, 40222.	1.6	19
28	Knockdown of the MAPK p38 pathway increases the susceptibility of Chilo suppressalis larvae to Bacillus thuringiensis Cry1Ca toxin. Scientific Reports, 2017, 7, 43964.	1.6	11
29	RNA interference knockdown of aminopeptidase N genes decrease the susceptibility of Chilo suppressalis larvae to Cry1Ab/Cry1Ac and Cry1Ca-expressing transgenic rice. Journal of Invertebrate Pathology, 2017, 145, 9-12.	1.5	29
30	Biological characteristics of a nonâ€photoperiodicâ€diapause strain of the cabbage beetle Colaphellus bowringi (Coleoptera: Chrysomelidae). Entomological Science, 2017, 20, 50-56.	0.3	2
31	Difference in diel mating time contributes to assortative mating between host plant-associated populations of Chilo suppressalis. Scientific Reports, 2017, 7, 45265.	1.6	8
32	Fatty acid synthase 2 contributes to diapause preparation in a beetle by regulating lipid accumulation and stress tolerance genes expression. Scientific Reports, 2017, 7, 40509.	1.6	60
33	Absence of juvenile hormone signalling regulates the dynamic expression profiles of nutritional metabolism genes during diapause preparation in the cabbage beetle Colaphellus bowringi. Insect Molecular Biology, 2017, 26, 530-542.	1.0	33
34	Transgenic Bt rice lines producing Cry1Ac, Cry2Aa or Cry1Ca have no detrimental effects on Brown Planthopper and Pond Wolf Spider. Scientific Reports, 2017, 7, 1940.	1.6	17
35	Differential expression of circadian clock genes in two strains of beetles reveals candidates related to photoperiodic induction of summer diapause. Gene, 2017, 603, 9-14.	1.0	6
36	Thermal effects on development and adult longevity of endoparasitoid Chelonus murakatae Munakata (Hymenoptera: Braconidae). Environmental Science and Pollution Research, 2017, 24, 4926-4931.	2.7	1

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37	Speciation of heavy metals and bacteria in cow dung after vermicomposting by the earthworm, Eisenia fetida. Bioresource Technology, 2017, 245, 411-418.	4.8	62
38	Tracing heavy metals in â€˜swine manure - maggot - chickenâ€™ production chain. Scientific Reports, 2017, 7, 8417.	1.6	27
39	Juvenile hormone regulates the differential expression of putative juvenile hormone esterases via methoprene-tolerant in non-diapause-destined and diapause-destined adult female beetle. Gene, 2017, 627, 373-378.	1.0	30
40	Aminopeptidase N1 is involved in Bacillus thuringiensis Cry1Ac toxicity in the beet armyworm, Spodoptera exigua. Scientific Reports, 2017, 7, 45007.	1.6	7
41	Describing the Diapause-Preparatory Proteome of the Beetle Colaphellus bowringi and Identifying Candidates Affecting Lipid Accumulation Using Isobaric Tags for Mass Spectrometry-Based Proteome Quantification (iTRAQ). Frontiers in Physiology, 2017, 8, 251.	1.3	60
42	The gut microbiota in larvae of the housefly Musca domestica and their horizontal transfer through feeding. AMB Express, 2017, 7, 147.	1.4	49
43	The Role of p38 MAPK, JNK, and ERK in Antibacterial Responses of Chilo suppressalis (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlo	0.8	11
44	Do differences in lifeâ€history traits and the timing of peak mating activity between hostâ€associated populations of Chilo suppressalis have a genetic basis?. Ecology and Evolution, 2016, 6, 4478-4487.	0.8	11
45	Bt proteins Cry1Ah and Cry2Ab do not affect cotton aphid Aphis gossypii and ladybeetle Propylea japonica. Scientific Reports, 2016, 6, 20368.	1.6	24
46	Association between gut microbiota and diapause preparation in the cabbage beetle: a new perspective for studying insect diapause. Scientific Reports, 2016, 6, 38900.	1.6	33
47	Differences in the preâ€diapause and preâ€oviposition accumulation of critical nutrients in adult females of the beetle <scp>C</scp>olaphellus bowringi. Entomologia Experimentalis Et Applicata, 2016, 160, 117-125.	0.7	22
48	Male-Biased Capture in Light Traps in Spodoptera exigua (Lepidoptera: Noctuidae): Results from the Studies of Reproductive Activities. Journal of Insect Behavior, 2016, 29, 368-378.	0.4	9
49	Sex pheromone recognition and characterization of three pheromone-binding proteins in the legume pod borer, Maruca vitrata Fabricius (Lepidoptera: Crambidae). Scientific Reports, 2016, 6, 34484.	1.6	22
50	Juvenile hormone facilitates the antagonism between adult reproduction and diapause through the methoprene-tolerant gene in the female Colaphellus bowringi. Insect Biochemistry and Molecular Biology, 2016, 74, 50-60.	1.2	81
51	UVB Radiation Delays Tribolium castaneum Metamorphosis by Influencing Ecdysteroid Metabolism. PLoS ONE, 2016, 11, e0151831.	1.1	13
52	A De Novo Transcriptome and Valid Reference Genes for Quantitative Real-Time PCR in Colaphellus bowringi. PLoS ONE, 2015, 10, e0118693.	1.1	40
53	The circadian rhythm of flight activity of <scp>S</scp>podoptera exigua males in response to sex pheromone. Entomologia Experimentalis Et Applicata, 2015, 154, 154-160.	0.7	2
54	Evaluation of Reference Genes for RT-qPCR in Tribolium castaneum (Coleoptera: Tenebrionidae) Under UVB Stress. Environmental Entomology, 2015, 44, 418-425.	0.7	31

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55	Cadherin is involved in the action of Bacillus thuringiensis toxins Cry1Ac and Cry2Aa in the beet armyworm, Spodoptera exigua. Journal of Invertebrate Pathology, 2015, 127, 47-53.	1.5	64
56	Latitudinal variation of morphological characteristics in the swallowtail <scp>S</scp>ericinus montelus <scp>G</scp>ray, 1798 (<scp>L</scp>epidoptera: <scp>P</scp>apilionidae). Acta Zoologica, 2015, 96, 242-252.	0.6	7
57	Identification of Host-Plant Volatiles and Characterization of Two Novel General Odorant-Binding Proteins from the Legume Pod Borer, Maruca vitrata Fabricius (Lepidoptera: Crambidae). PLoS ONE, 2015, 10, e0141208.	1.1	37
58	Antennal and behavioral responses of female <scp>M</scp>aruca vitrata to the floral volatiles of <scp>V</scp>igna unguiculata and <scp>L</scp>ablab purpureus. Entomologia Experimentalis Et Applicata, 2014, 152, 248-257.	0.7	19
59	Effects of the larval host plant on the supercooling capacity and physiological characteristics of beet armyworm pupae, Spodoptera exigua (Lepidoptera: Noctuidae). Journal of Plant Diseases and Protection, 2014, 121, 202-210.	1.6	6
60	Effect of soil moisture on overwintering pupae in Spodoptera exigua (Lepidoptera: Noctuidae). Applied Entomology and Zoology, 2013, 48, 365-371.	0.6	23
61	A comparison of the larval overwintering biology of the striped stem borer, Chilo suppressalis (Lepidoptera: Crambidae), in rice and water-oat fields. Applied Entomology and Zoology, 2013, 48, 147-153.	0.6	12
62	Overwintering strategy of endoparasitoids in <scp>C</scp>hilo suppressalis: a perspective from the cold hardiness of a host. Entomologia Experimentalis Et Applicata, 2013, 146, 398-403.	0.7	26
63	Projecting Overwintering Regions of the Beet Armyworm,Spodoptera exiguain China using the CLIMEX Model. Journal of Insect Science, 2012, 12, 1-13.	0.6	23
64	Geographic variation in photoperiodic diapause induction and diapause intensity inâ€,Sericinus montelusâ€,(Lepidoptera: Papilionidae). Insect Science, 2012, 19, 295-302.	1.5	22
65	Latitudinal pattern in body size in a cockroach, Eupolyphaga sinensis. Entomologia Experimentalis Et Applicata, 2012, 144, 223-230.	0.7	7
66	Enhancement of supercooling capacity and survival by cold acclimation, rapid cold and heat hardening in Spodoptera exigua. Cryobiology, 2011, 63, 164-169.	0.3	22
67	Effects of UV-A exposures on longevity and reproduction in Helicoverpa armigera, and on the development of its F1 generation. Insect Science, 2011, 18, 697-702.	1.5	43
68	Relationships between body weight of overwintering larvae and supercooling capacity; diapause intensity and post-diapause reproductive potential in Chilo suppressalis Walker. Journal of Insect Physiology, 2011, 57, 653-659.	0.9	45
69	Examination of Parental Effect on the Progeny Diapause by Reciprocal Cross Test in the Cabbage Beetle,Colaphellus bowringi. Journal of Insect Science, 2011, 11, 1-8.	0.6	7
70	Analysis of pupal head proteome and its alteration in diapausing pupae of Helicoverpa armigera. Journal of Insect Physiology, 2010, 56, 247-252.	0.9	35
71	Relationship between the natural duration of diapause and post-diapause reproduction in the cabbage beetle, Colaphellus bowringi (Coleoptera: Chrysomelidae). European Journal of Entomology, 2010, 107, 337-340.	1.2	29
72	Effects of photoperiod and temperature on diapause induction and termination in the swallowtail, Sericinus montelus. Physiological Entomology, 2009, 34, 158-162.	0.6	42

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73	Ultraviolet light-induced oxidative stress: Effects on antioxidant response of Helicoverpa armigera adults. Journal of Insect Physiology, 2009, 55, 588-592.	0.9	149
74	Internal Reproductive System and Diapausing Morphology of the Brassica Leaf Beetle P<scp>haedon</scp><scp>brassicae</scp>Baly (Coleoptera: Chrysomelidae: Chrysomelinae). The Coleopterists Bulletin, 2007, 61, 457-462.	0.1	8
75	Effect of photoperiod associated with diapause induction on the accumulation of metabolites in Sericinus montelus (Lepidoptera: Papilionidae). Applied Entomology and Zoology, 2007, 42, 419-424.	0.6	15
76	Thermoperiodic response and effect of photoperiod on thermoperiodic induction of diapause in Colaphellus bowringi. Entomologia Experimentalis Et Applicata, 2007, 124, 299-304.	0.7	23
77	The role of temperature and photoperiod in diapause induction in the brassica leaf beetle, Phaedon brassicae (Coleoptera: Chrysomelidae). European Journal of Entomology, 2007, 104, 693-697.	1.2	27
78	Host plant mediation of diapause induction in the cabbage beetle, Colaphellus bowringi Baly (Coleoptera: Chrysomelidae). Insect Science, 2006, 13, 189-193.	1.5	28
79	Identification of Sex of Pupae in the Cabbage Beetle Colaphellus Bowringi Baly (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	0.1	7
80	Effects of diapause duration on future reproduction in the cabbage beetle, Colaphellus bowringi: positive or negative?. Physiological Entomology, 2006, 31, 190-196.	0.6	52
81	Effects of thermoperiods on diapause induction in the cabbage beetle, Colaphellus bowringi (Coleoptera: Chrysomelidae). Physiological Entomology, 2004, 29, 419-425.	0.6	28
82	Diapause induction and clock mechanism in the cabbage beetle, Colaphellus bowringi (Coleoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	41