

# Wen Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,278  
citations

304743

22  
h-index

395702

33  
g-index

51  
all docs

51  
docs citations

51  
times ranked

921  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Steroid hormone ecdysone deficiency stimulates preparation for photoperiodic reproductive diapause. <i>PLoS Genetics</i> , 2021, 17, e1009352.	3.5	59
6	Phospholipase C $\beta$ 1 Connects the Cell Membrane Pathway to the Nuclear Receptor Pathway in Insect Steroid Hormone Signaling. <i>Journal of Biological Chemistry</i> , 2014, 289, 13026-13041.	3.4	48
7	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
8	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
9	Juvenile Hormone Prevents 20-Hydroxyecdysone-induced Metamorphosis by Regulating the Phosphorylation of a Newly Identified Broad Protein. <i>Journal of Biological Chemistry</i> , 2014, 289, 26630-26641.	3.4	39
10	Protein kinase C delta phosphorylates ecdysone receptor B1 to promote gene expression and apoptosis under 20-hydroxyecdysone regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7121-E7130.	7.1	37
11	The hormone-dependent function of Hsp90 in the crosstalk between 20-hydroxyecdysone and juvenile hormone signaling pathways in insects is determined by differential phosphorylation and protein interactions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 5184-5192.	2.4	35
12	G-protein-coupled receptor participates in 20-hydroxyecdysone signaling on the plasma membrane. <i>Cell Communication and Signaling</i> , 2014, 12, 9.	6.5	35
13	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
14	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 &amp; Integrative Physiology</i> , 2019, 229, 69-75.	1.8	33
15	Hepatic Macrophage as a Key Player in Fatty Liver Disease. <i>Frontiers in Immunology</i> , 2021, 12, 708978.	4.8	33
16	In a Nongenomic Action, Steroid Hormone 20-Hydroxyecdysone Induces Phosphorylation of Cyclin-Dependent Kinase 10 to Promote Gene Transcription. <i>Endocrinology</i> , 2014, 155, 1738-1750.	2.8	32
17	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
18	Tim-4 Inhibits NLRP3 Inflammasome via the LKB1/AMPK $\beta$ Pathway in Macrophages. <i>Journal of Immunology</i> , 2019, 203, 990-1000.	0.8	31

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19	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
20	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
21	Tim-4 in Health and Disease: Friend or Foe?. <i>Frontiers in Immunology</i> , 2020, 11, 537.	4.8	29
22	Upregulation of the expression of prodeath serine/threonine protein kinase for programmed cell death by steroid hormone 20-hydroxyecdysone. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2013, 18, 171-187.	4.9	26
23	Methoprene-tolerant 1 regulates gene transcription to maintain insect larval status. <i>Journal of Molecular Endocrinology</i> , 2014, 53, 93-104.	2.5	25
24	Differences in the pre-diapause and pre-oviposition 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
25	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
26	The Steroid Hormone 20-Hydroxyecdysone via Nongenomic Pathway Activates Ca <sup>2+</sup> /Calmodulin-dependent Protein Kinase II to Regulate Gene Expression. <i>Journal of Biological Chemistry</i> , 2015, 290, 8469-8481.	3.4	21
27	Small GTPase Rab4b participates in the gene transcription of 20-hydroxyecdysone and insulin pathways to regulate glycogen level and metamorphosis. <i>Developmental Biology</i> , 2012, 371, 13-22.	2.0	19
28	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
29	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
30	Mod(mdg4) participates in hormonally regulated midgut programmed cell death during metamorphosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2012, 17, 1327-1339.	4.9	16
31	The Steroid Hormone 20-Hydroxyecdysone Up-regulates Ste-20 Family Serine/Threonine Kinase Hippo to Induce Programmed Cell Death. <i>Journal of Biological Chemistry</i> , 2015, 290, 24738-24746.	3.4	15
32	G-protein $\beta$ q participates in the steroid hormone 20-hydroxyecdysone nongenomic signal transduction. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 144, 313-323.	2.5	14
33	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
34	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
35	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
36	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

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37	Molecular characterization and functional analysis of two trehalose transporter genes in the cabbage beetle, <i>Colaphellus bowringi</i> . Journal of Asia-Pacific Entomology, 2020, 23, 627-633.	0.9	10
38	Juvenile hormone regulates photoperiodâ€mediated male reproductive diapause via the methopreneâ€tolerant gene in the ladybeetle <i>Harmonia axyridis</i> . Insect Science, 2022, 29, 139-150.	3.0	10
39	Key role of juvenile hormone in controlling reproductive diapause in females of the Asian lady beetle <i>Harmonia axyridis</i> . Pest Management Science, 2022, 78, 193-204.	3.4	10
40	Difference in diel mating time contributes to assortative mating between host plant-associated populations of <i>Chilo suppressalis</i> . Scientific Reports, 2017, 7, 45265.	3.3	8
41	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.	2.2	6
42	Host population related variations in circadian clock gene sequences and expression patterns in <i>Chilo suppressalis</i> . Chronobiology International, 2019, 36, 969-978.	2.0	5
43	Targeting coat protein II complex genes via RNA interference inhibits female adult feeding and reproductive development in the cabbage beetle <i>Colaphellus bowringi</i> . Pest Management Science, 2022, 78, 2141-2150.	3.4	5
44	Steroid hormone 20-hydroxyecdysone regulation of the very-high-density lipoprotein (VHDL) receptor phosphorylation for VHDL uptake. Insect Biochemistry and Molecular Biology, 2013, 43, 328-335.	2.7	3
45	PacBio Long-Read Sequencing Transcriptome Dataset of Adult <i>Harmonia axyridis</i> Under Diapause Inducing and Reproductive Inducing Photoperiod. Frontiers in Genetics, 2020, 11, 1010.	2.3	3
46	Lipin modulates lipid metabolism during reproduction in the cabbage beetle. Insect Biochemistry and Molecular Biology, 2021, 139, 103668.	2.7	3
47	Genes from Carboxypeptidase A, glutathione S-transferase, and cytochrome b families were found involved in lead transport in insect <i>Musca domestica</i> . Ecotoxicology and Environmental Safety, 2022, 230, 113113.	6.0	3
48	N-Glycosylation at Asn291 Stabilizes TIM-4 and Promotes the Metastasis of NSCLC. Frontiers in Oncology, 2022, 12, 730530.	2.8	3
49	Biological characteristics of a nonâ€photoperiodicâ€diapause strain of the cabbage beetle <i>Colaphellus bowringi</i> (Coleoptera: Chrysomelidae). Entomological Science, 2017, 20, 50-56.	0.6	2
50	Developmental Differences on the Internal Reproductive Systems between the Prediapause and Prereproductive <i>Riptortus pedestris</i> Adults. Insects, 2020, 11, 347.	2.2	2
51	Comparative transcriptomics of the pheromone glands provides new insights into the differentiation of sex pheromone between two host populations of <i>Chilo suppressalis</i> . Scientific Reports, 2020, 10, 3499.	3.3	1