Ben-Shui Shu

List of Publications by Year
in descending order

30 papers	572 citations	623734 14 h-index	677142 22 g-index
30 all docs	30 docs citations	30 times ranked	491 citing authors

#	Article	IF	Citations
1	Crossâ€resistance and baseline susceptibility of <i>Spodoptera litura</i> (Fabricius) (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock	3.4	64
2	Azadirachtin-induced apoptosis involves lysosomal membrane permeabilization and cathepsin L release in Spodoptera frugiperda Sf9 cells. International Journal of Biochemistry and Cell Biology, 2015, 64, 126-135.	2.8	41
3	Evaluation of Reference Genes for Real-Time Quantitative PCR Analysis in Larvae of Spodoptera litura Exposed to Azadirachtin Stress Conditions. Frontiers in Physiology, 2018, 9, 372.	2.8	39
4	Design, synthesis, fungicidal property and QSAR studies of novel <i>Î²</i>â€carbolines containing urea, benzoylthiourea and benzoylurea for the control of rice sheath blight. Pest Management Science, 2018, 74, 1736-1746.	3.4	38
5	Azadirachtin Affects the Growth of Spodoptera litura Fabricius by Inducing Apoptosis in Larval Midgut. Frontiers in Physiology, 2018, 9, 137.	2.8	36
6	Transcriptome analysis of Spodoptera frugiperda Sf9 cells reveals putative apoptosis-related genes and a preliminary apoptosis mechanism induced by azadirachtin. Scientific Reports, 2017, 7, 13231.	3.3	29
7	Identification of azadirachtin responsive genes in Spodoptera frugiperda larvae based on RNA-seq. Pesticide Biochemistry and Physiology, 2021, 172, 104745.	3.6	27
8	Curcumin induces autophagic cell death in Spodoptera frugiperda cells. Pesticide Biochemistry and Physiology, 2017, 139, 79-86.	3.6	23
9	A COMPREHENSIVE STUDY ON APOPTOSIS INDUCTION BY AZADIRACHTIN IN <i>Spodoptera frugiperda</i> CULTURED CELL LINE Sf9. Archives of Insect Biochemistry and Physiology, 2015, 89, 153-168.	1.5	22
10	Harmine induced apoptosis in Spodoptera frugiperda Sf9 cells by activating the endogenous apoptotic pathways and inhibiting DNA topoisomerase I activity. Pesticide Biochemistry and Physiology, 2019, 155, 26-35.	3.6	22
11	Transcriptome analysis of putative detoxification genes in the Asian citrus psyllid, <scp><i>Diaphorina citri</i></scp>. Pest Management Science, 2020, 76, 3857-3870.	3.4	21
12	Selection of Reference Genes for Optimal Normalization of Quantitative Real-Time Polymerase Chain Reaction Results for <i>Diaphorina citri</i> Adults. Journal of Economic Entomology, 2019, 112, 355-363.	1.8	19
13	Combined transcriptomic and proteomic analysis of harmine on Spodoptera frugiperda Sf9 cells to reveal the potential resistance mechanism. Journal of Proteomics, 2020, 211, 103573.	2.4	17
14	Growth inhibition of Spodoptera frugiperda larvae by camptothecin correlates with alteration of the structures and gene expression profiles of the midgut. BMC Genomics, 2021, 22, 391.	2.8	17
15	Natural Î²-carboline alkaloids regulate the PI3K/Akt/mTOR pathway and induce autophagy in insect Sf9 cells. Pesticide Biochemistry and Physiology, 2019, 154, 67-77.	3.6	16
16	Stability evaluation of reference genes for real-time quantitative PCR normalization in Spodoptera frugiperda (Lepidoptera: Noctuidae). Journal of Integrative Agriculture, 2021, 20, 2471-2482.	3.5	16
17	Distinct microbial communities among different tissues of citrus tree Citrus reticulata cv. Chachiensis. Scientific Reports, 2020, 10, 6068.	3.3	15
18	Cytotoxic and Apoptotic Activity of the Novel Harmine Derivative ZC-14 in Sf9 Cells. International Journal of Molecular Sciences, 2018, 19, 811.	4.1	11

#	Article	IF	Citations
19	Curcuminâ€induced autophagy and nucleophagy in <i>Spodoptera frugiperda Sf9</i> insect cells occur via PI3K/AKT/TOR pathways. Journal of Cellular Biochemistry, 2019, 120, 2119-2137.	2.6	11
20	Comparative transcriptomic analyses revealed genes and pathways responsive to heat stress in Diaphorina citri. Gene, 2020, 727, 144246.	2.2	11
21	DnaJ homolog subfamily A member1 (DnaJ1) is a newly discovered anti-apoptotic protein regulated by azadirachtin in Sf9 cells. BMC Genomics, 2018, 19, 413.	2.8	10
22	Proteomic Profiling Analysis of Male Infertility in <i>Spodoptera Litura</i> Larvae Challenged with Azadirachtin and its Potentialâ€Regulated Pathways in the Following Stages. Proteomics, 2018, 18, e1800192.	2.2	10
23	Effects of azadirachtin on detoxification-related gene expression in the fat bodies of the fall armyworm, Spodoptera frugiperda. Environmental Science and Pollution Research, 2023, 30, 42587-42595.	5.3	10
24	Pro-Apoptotic Function Analysis of the Reaper Homologue IBM1 in Spodoptera frugiperda. International Journal of Molecular Sciences, 2020, 21, 2729.	4.1	9
25	Ironâ€“sulfur protein in mitochondrial complexes of Spodoptera litura as potential site for ROS generation. Journal of Insect Physiology, 2014, 71, 21-29.	2.0	8
26	Stability of selected reference genes in Sf9 cells treated with extrinsic apoptotic agents. Scientific Reports, 2019, 9, 14147.	3.3	8
27	Effects of camptothecin on histological structures and gene expression profiles of fat bodies in Spodoptera frugiperda. Ecotoxicology and Environmental Safety, 2021, 228, 112968.	6.0	7
28	Effects of the entomopathogenic fungus Clonostachys rosea on mortality rates and gene expression profiles in Diaphorina citri adults. Journal of Invertebrate Pathology, 2021, 179, 107539.	3.2	6
29	Genomeâ€wide identification, characterization and functional analysis of the chitianse and chitinaseâ€like gene family in <scp><i>Diaphorina citri</i></scp>. Pest Management Science, 2022, 78, 1740-1748.	3.4	6
30	Selection of reference genes for quantitative real-time PCR normalization in the coffee white stem borer, <i>Xylotrechus quadripes</i> Chevrolat (Coleoptera: Cerambycidae). Bulletin of Entomological Research, 2022, 112, 151-161.	1.0	3