

Shengzhang Dong

List of Publications by Year in descending order

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31
papers

869
citations

430754

18
h-index

501076

28
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31
all docs

31
docs citations

31
times ranked

1017
citing authors

#	ARTICLE	IF	CITATIONS
1	Heritable CRISPR/Cas9-Mediated Genome Editing in the Yellow Fever Mosquito, <i>Aedes aegypti</i> . PLoS ONE, 2015, 10, e0122353.	1.1	88
2	Insect Neuropeptide Bursicon Homodimers Induce Innate Immune and Stress Genes during Molting by Activating the NF- κ B Transcription Factor Relish. PLoS ONE, 2012, 7, e34510.	1.1	78
3	An Invasive Whitefly Feeding on a Virus-Infected Plant Increased Its Egg Production and Realized Fecundity. PLoS ONE, 2010, 5, e11713.	1.1	61
4	Chikungunya virus dissemination from the midgut of <i>Aedes aegypti</i> is associated with temporal basal lamina degradation during bloodmeal digestion. PLoS Neglected Tropical Diseases, 2017, 11, e0005976.	1.3	52
5	The midgut transcriptome of <i>Aedes aegypti</i> fed with saline or protein meals containing chikungunya virus reveals genes potentially involved in viral midgut escape. BMC Genomics, 2017, 18, 382.	1.2	50
6	Molecular cloning, characterization and expression analysis of HSP60, HSP70 and HSP90 in the golden apple snail, <i>Pomacea canaliculata</i> . Fish and Shellfish Immunology, 2014, 41, 643-653.	1.6	49
7	Roles of ecdysteroid and juvenile hormone in vitellogenesis in an endoparasitic wasp, <i>Pteromalus puparum</i> (Hymenoptera: Pteromalidae). General and Comparative Endocrinology, 2009, 160, 102-108.	0.8	38
8	Infection pattern and transmission potential of chikungunya virus in two New World laboratory-adapted <i>Aedes aegypti</i> strains. Scientific Reports, 2016, 6, 24729.	1.6	36
9	Identification of Two Species of Yeast-like Symbiotes in the Brown Planthopper, <i>Nilaparvata lugens</i> . Current Microbiology, 2011, 62, 1133-1138.	1.0	34
10	Glucose-mediated proliferation of a gut commensal bacterium promotes Plasmodium infection by increasing mosquito midgut pH. Cell Reports, 2021, 35, 108992.	2.9	31
11	Cultivation, identification and quantification of one species of yeast-like symbiotes, <i>Candida</i> , in the rice brown planthopper, <i>Nilaparvata lugens</i> . Insect Science, 2012, 19, 477-484.	1.5	27
12	Analysis of Yeast-Like Symbiote Diversity in the Brown Planthopper (BPH), <i>Nilaparvata lugens</i> Stål, Using a Novel Nested PCR-DGGE Protocol. Current Microbiology, 2013, 67, 263-270.	1.0	27
13	Identification of anti-flaviviral drugs with mosquitocidal and anti-Zika virus activity in <i>Aedes aegypti</i> . PLoS Neglected Tropical Diseases, 2019, 13, e0007681.	1.3	27
14	Prospects and Pitfalls: Next-Generation Tools to Control Mosquito-Transmitted Disease. Annual Review of Microbiology, 2020, 74, 455-475.	2.9	25
15	Relish2 mediates bursicon homodimer-induced prophylactic immunity in the mosquito <i>Aedes aegypti</i> . Scientific Reports, 2017, 7, 43163.	1.6	24
16	Vitellin of <i>Pteromalus puparum</i> (Hymenoptera: Pteromalidae), a pupal endoparasitoid of <i>Pieris rapae</i> (Lepidoptera: Pieridae): Biochemical characterization, temporal patterns of production and degradation. Journal of Insect Physiology, 2007, 53, 468-477.	0.9	22
17	Broad spectrum immunomodulatory effects of <i>Anopheles gambiae</i> microRNAs and their use for transgenic suppression of Plasmodium. PLoS Pathogens, 2020, 16, e1008453.	2.1	22
18	Biological control of golden apple snail, <i>Pomacea canaliculata</i> by Chinese soft-shelled turtle, <i>Pelodiscus sinensis</i> in the wild rice, <i>Zizania latifolia</i> field. Scientia Agricola, 2012, 69, 142-146.	0.6	21

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19	Identification and initial characterization of matrix metalloproteinases in the yellow fever mosquito, <i>Aedes aegypti</i> . <i>Insect Molecular Biology</i> , 2017, 26, 113-126.	1.0	19
20	Mosquito transgenesis for malaria control. <i>Trends in Parasitology</i> , 2022, 38, 54-66.	1.5	19
21	Molecular characteristics of HSC70 gene and its expression in the golden apple snails, <i>Pomacea canaliculata</i> (Mollusca: Gastropoda). <i>Aquaculture</i> , 2012, 358-359, 41-49.	1.7	18
22	The <i>Aedes aegypti</i> siRNA pathway mediates broad-spectrum defense against human pathogenic viruses and modulates antibacterial and antifungal defenses. <i>PLoS Biology</i> , 2022, 20, e3001668.	2.6	17
23	Development of an ELISA for evaluating the reproductive status of female brown planthopper, <i>Nilaparvata lugens</i> , by measuring vitellogenin and vitellin levels. <i>Entomologia Experimentalis Et Applicata</i> , 2011, 139, 103-110.	0.7	16
24	Oosorption in the Endoparasitoid, <i>Pteromalus puparum</i> . <i>Journal of Insect Science</i> , 2011, 11, 1-11.	0.6	14
25	Antiviral Compounds for Blocking Arboviral Transmission in Mosquitoes. <i>Viruses</i> , 2021, 13, 108.	1.5	14
26	Pleiotropic Odorant-Binding Proteins Promote <i>Aedes aegypti</i> Reproduction and Flavivirus Transmission. <i>MBio</i> , 2021, 12, e0253121.	1.8	12
27	Fungicides Reduce the Abundance of Yeast-like Symbionts and Survival of White-Backed Planthopper <i>Sogatella furcifera</i> (Homoptera: Delphacidae). <i>Insects</i> , 2020, 11, 209.	1.0	10
28	Evaluation of the Potential Effect of Transgenic Rice Expressing Cry1Ab on the Hematology and Enzyme Activity in Organs of Female Swiss Rats. <i>PLoS ONE</i> , 2013, 8, e80424.	1.1	9
29	THE NEUROPEPTIDE BURSICON ACTS IN CUTICLE METABOLISM. <i>Archives of Insect Biochemistry and Physiology</i> , 2015, 89, 87-97.	0.6	4
30	Trypsin-like Inhibitor Domain (TIL)-Harboring Protein Is Essential for <i>Aedes aegypti</i> Reproduction. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7736.	1.8	4
31	Bursicon as a Potential Target for Insect Control. , 2013, , 83-105.		1