Xiao-Guang Chen

List of Publications by Year
in descending order

56 papers	2,267 citations	361413 20 h-index	233421 45 g-index
58 all docs	58 docs citations	58 times ranked	3013 citing authors

#	Article	IF	Citations
1	Urbanization Increases Aedes albopictus Larval Habitats and Accelerates Mosquito Development and Survivorship. PLoS Neglected Tropical Diseases, 2014, 8, e3301.	3.0	293
2	A male-determining factor in the mosquito Aedes aegypti. Science, 2015, 348, 1268-1270.	12.6	266
3	Genome sequence of the Asian Tiger mosquito, Aedes albopictus , reveals insights into its biology, genetics, and evolution. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5907-15.	7.1	251
4	Dengue Fever in Mainland China. American Journal of Tropical Medicine and Hygiene, 2010, 83, 664-671.	1.4	207
5	Competence of Aedes aegypti, Ae. albopictus, and Culex quinquefasciatus Mosquitoes as Zika Virus Vectors, China. Emerging Infectious Diseases, 2017, 23, 1085-1091.	4.3	95
6	The expression profile of Aedes albopictus miRNAs is altered by dengue virus serotype-2 infection. Cell and Bioscience, 2015, 5, 16.	4.8	94
7	Temperature Increase Enhances Aedes albopictus Competence to Transmit Dengue Virus. Frontiers in Microbiology, 2017, 8, 2337.	3.5	80
8	Bacterial microbiota assemblage in Aedes albopictus mosquitoes and its impacts on larval development. Molecular Ecology, 2018, 27, 2972-2985.	3.9	78
9	Multi-country Survey Revealed Prevalent and Novel F1534S Mutation in Voltage-Gated Sodium Channel (VGSC) Gene in Aedes albopictus. PLoS Neglected Tropical Diseases, 2016, 10, e0004696.	3.0	72
10	Comparative evaluation of the efficiency of the BG-Sentinel trap, CDC light trap and Mosquito-oviposition trap for the surveillance of vector mosquitoes. Parasites and Vectors, 2016, 9, 446.	2.5	64
11	Evidence for multiple-insecticide resistance in urban Aedes albopictus populations in southern China. Parasites and Vectors, 2018, 11, 4.	2.5	62
12	Analysis of the Aedes albopictus C6/36 genome provides insight into cell line utility for viral propagation. GigaScience, 2018, 7, 1-13.	6.4	51
13	Comparative performance of transcriptome assembly methods for non-model organisms. BMC Genomics, 2016, 17, 523.	2.8	47
14	Gene Expression Studies in Mosquitoes. Advances in Genetics, 2008, 64, 19-50.	1.8	45
15	Fast emerging insecticide resistance in Aedes albopictus in Guangzhou, China: Alarm to the dengue epidemic. PLoS Neglected Tropical Diseases, 2019, 13, e0007665.	3.0	39
16	Developmental piRNA profiles of the invasive vector mosquito Aedes albopictus. Parasites and Vectors, 2016, 9, 524.	2.5	38
17	Insecticide resistance of Anopheles sinensis and An. vagus in Hainan Island, a malaria-endemic area of China. Parasites and Vectors, 2014, 7, 92.	2.5	34
18	Functional analysis of Orco and odorant receptors in odor recognition in Aedes albopictus. Parasites and Vectors, 2016, 9, 363.	2.5	33

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19	Nix is a male-determining factor in the Asian tiger mosquito Aedes albopictus. Insect Biochemistry and Molecular Biology, 2020, 118, 103311.	2.7	31
20	Bionomics and insecticide resistance of Aedes albopictus in Shandong, a high latitude and high-risk dengue transmission area in China. Parasites and Vectors, 2020, 13, 11.	2.5	27
21	Impact of deltamethrin-resistance in Aedes albopictus on its fitness cost and vector competence. PLoS Neglected Tropical Diseases, 2021, 15, e0009391.	3.0	24
22	Integrated analysis of miRNAs and transcriptomes inAedes albopictusmidgut reveals the differential expression profiles of immune-related genes during dengue virus serotype-2 infection. Insect Science, 2016, 23, 377-385.	3.0	22
23	Trends in insecticide resistance in Culex pipiens pallens over 20Âyears in Shandong, China. Parasites and Vectors, 2019, 12, 167.	2.5	22
24	Comparative studies of Toxoplasma gondii transcriptomes: insights into stage conversion based on gene expression profiling and alternative splicing. Parasites and Vectors, 2018, 11, 402.	2.5	21
25	Enhancing attraction of the vector mosquito Aedes albopictus by using a novel synthetic odorant blend. Parasites and Vectors, 2019, 12, 382.	2.5	21
26	Comparative transcriptome analysis and RNA interference reveal CYP6A8 and SNPs related to pyrethroid resistance in Aedes albopictus. PLoS Neglected Tropical Diseases, 2018, 12, e0006828.	3.0	20
27	Vertical transmission of zika virus in Aedes albopictus. PLoS Neglected Tropical Diseases, 2020, 14, e0008776.	3.0	20
28	Construction of an efficient genomic editing system with CRISPR/Cas9 in the vector mosquito Aedes albopictus. Insect Science, 2019, 26, 1045-1054.	3.0	19
29	The Anopheles gambiae vitellogenin gene (VGT2) promoter directs persistent accumulation of a reporter gene product in transgenic Anopheles stephensi following multiple bloodmeals. American Journal of Tropical Medicine and Hygiene, 2007, 76, 1118-24.	1.4	19
30	[1,2,4]Triazolo[1,5-a]pyrimidine derivative (Mol-5) is a new NS5-RdRp inhibitor of DENV2 proliferation and DENV2-induced inflammation. Acta Pharmacologica Sinica, 2020, 41, 706-718.	6.1	18
31	Differentiation of Long Non-Coding RNA and mRNA Expression Profiles in Male and Female Aedes albopictus. Frontiers in Genetics, 2019, 10, 975.	2.3	16
32	A field-based modeling study on ecological characterization of hourly host-seeking behavior and its associated climatic variables in Aedes albopictus. Parasites and Vectors, 2019, 12, 474.	2.5	14
33	Antiviral systems in vector mosquitoes. Developmental and Comparative Immunology, 2018, 83, 34-43.	2.3	13
34	Photoperiodic diapause in a subtropical population of Aedes albopictus in Guangzhou, China: optimized field-laboratory-based study and statistical models for comprehensive characterization. Infectious Diseases of Poverty, 2018, 7, 89.	3.7	13
35	Use of a Recombinant Mosquito Densovirus As a Gene Delivery Vector for the Functional Analysis of Genes in Mosquito Larvae. Journal of Visualized Experiments, 2017, , .	0.3	11
36	A longâ€lasting biological larvicide against the dengue vector mosquito <scp>Aedes albopictus</scp>. Pest Management Science, 2021, 77, 741-748.	3.4	8

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37	Characterization of protein arginine methyltransferase of TgPRMT5 in Toxoplasma gondii. Parasites and Vectors, 2019, 12, 221.	2.5	7
38	The effectiveness of early start of Grade III response to dengue in Guangzhou, China: A population-based interrupted time-series study. PLoS Neglected Tropical Diseases, 2020, 14, e0008541.	3.0	7
39	Susceptibility and interactions between Aedes mosquitoes and Zika viruses. Insect Science, 2020, 28, 1439-1451.	3.0	7
40	Interspecific mating bias may drive Aedes albopictus displacement of Aedes aegypti during its range expansion. , 2022, 1, .		7
41	Armigeres subalbatus is a potential vector for Zika virus but not dengue virus. Infectious Diseases of Poverty, 2022, 11, .	3.7	7
42	Defervescent dengue patients might be a potential source of infection for vector mosquitoes. Infectious Diseases of Poverty, 2020, 9, 17.	3.7	6
43	Infection by the nematode Angiostrongylus cantonensis induces differential expression of miRNAs in mouse brain. Journal of Microbiology, Immunology and Infection, 2018, 51, 94-102.	3.1	5
44	Genomic Shifts, Phenotypic Clines, and Fitness Costs Associated With Cold Tolerance in the Asian Tiger Mosquito. Molecular Biology and Evolution, 2022, 39, .	8.9	5
45	Analysis of the antibodies anti-Toxoplasma gondii by ELISA based on two diagnostic antigens: rSAG1 and rBAG1. Acta Parasitologica, 2011, 56, .	1.1	4
46	Alternative splicing patterns of doublesex reveal a missing link between Nix and doublesex in the sex determination cascade of Aedes albopictus. Insect Science, 2021, 28, 1601-1620.	3.0	4
47	Toxoplasmosis researches in China. Chinese Medical Journal, 2005, 118, 1015-21.	2.3	4
48	The AalNix3&4 isoform is required and sufficient to convert Aedes albopictus females into males. PLoS Genetics, 2022, 18, e1010280.	3.5	4
49	The direct regulation of Aalbdsx on AalVgR is indispensable for ovarian development in Aedes albopictus. Pest Management Science, 2021, 77, 1654-1667.	3.4	2
50	The Differential Metabolic Profiles Between Deltamethrin-Resistant and -Susceptible Strains ofAedes albopictus(Diptera: Culicidae) by 1H-NMR. Journal of Medical Entomology, 2021, 58, 1256-1263.	1.8	2
51	Recombinant Mosquito Densovirus with Bti Toxins Significantly Improves Pathogenicity against Aedes albopictus. Toxins, 2022, 14, 147.	3.4	2
52	An Experimental Evaluation of Toxicity Effects of Sodium Chloride on Oviposition, Hatching and Larval Development of Aedes albopictus. Pathogens, 2022, 11, 262.	2.8	1
53	Title is missing!. , 2020, 14, e0008541.		0
54	Title is missing!. , 2020, 14, e0008541.		0

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55	Title is missing!. , 2020, 14, e0008541.		0
56	Title is missing!. , 2020, 14, e0008541.		0