

Fan Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

472
citations

686830

13
h-index

752256

20
g-index

25
all docs

25
docs citations

25
times ranked

273
citing authors

#	ARTICLE	IF	CITATIONS
1	The interactions between gut microbiota and entomopathogenic fungi: a potential approach for biological control of <i>Blattella germanica</i> (L). <i>Pest Management Science</i> , 2018, 74, 438-447.	1.7	74
2	Different binding properties of two general-odorant binding proteins in <i>Athetis lepigone</i> with sex pheromones, host plant volatiles and insecticides. <i>Pesticide Biochemistry and Physiology</i> , 2020, 164, 173-182.	1.6	50
3	<i>Pseudomonas reactans</i> , a Bacterial Strain Isolated From the Intestinal Flora of <i>Blattella germanica</i> With Anti- <i>Beauveria bassiana</i> Activity. <i>Environmental Entomology</i> , 2013, 42, 453-459.	0.7	37
4	Molecular characterization and functional analysis of a novel candidate of cuticle carboxylesterase in <i>Spodoptera exigua</i> degrading sex pheromones and plant volatile esters. <i>Pesticide Biochemistry and Physiology</i> , 2020, 163, 227-234.	1.6	32
5	Diversity and Functional Roles of the Gut Microbiota in Lepidopteran Insects. <i>Microorganisms</i> , 2022, 10, 1234.	1.6	31
6	Life history and functional capacity of the microbiome are altered in beta-cypermethrin-resistant cockroaches. <i>International Journal for Parasitology</i> , 2019, 49, 715-723.	1.3	27
7	The Potential Control Strategies Based on the Interaction Between Indoor Cockroaches and Their Symbionts in China. <i>Advances in Insect Physiology</i> , 2018, 55, 55-122.	1.1	23
8	Comparative Proteomics Analysis Between the Short-Term Stress and Long-Term Adaptation of the <i>Blattella germanica</i> (Blattodea: Blattellidae) in Response to Beta-Cypermethrin. <i>Journal of Economic Entomology</i> , 2019, 112, 1396-1402.	0.8	21
9	Advances in biological control of the German cockroach, <i>Blattella germanica</i> (L). <i>Biological Control</i> , 2020, 142, 104104.	1.4	19
10	Silencing the odorant coreceptor (<i>Orco</i>) disrupts sex pheromonal communication and feeding responses in <i>Blattella germanica</i> : toward an alternative target for controlling insect-transmitted human diseases. <i>Pest Management Science</i> , 2021, 77, 1674-1682.	1.7	18
11	Chemosensory Gene Families in the Oligophagous Pear Pest <i>Cacopsylla chinensis</i> (Hemiptera: Psyllidae). <i>Insects</i> , 2019, 10, 175.	1.0	16
12	Expression, Affinity, and Functional Characterization of the Specific Binding of Two Putative Pheromone-Binding Proteins in the Omnivorous German Cockroach <i>Blattella germanica</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 13573-13583.	2.4	16
13	Effects of Antibiotics on the Dynamic Balance of Bacteria and Fungi in the Gut of the German Cockroach. <i>Journal of Economic Entomology</i> , 2020, 113, 2666-2678.	0.8	14
14	Isolation, Identification, and Virulence of a New <i>Metarhizium anisopliae</i> Strain on the German Cockroach. <i>Journal of Economic Entomology</i> , 2018, 111, 2611-2616.	0.8	13
15	New Insights into Cockroach Control: Using Functional Diversity of <i>Blattella germanica</i> Symbionts. <i>Insects</i> , 2020, 11, 696.	1.0	12
16	Isolation of an anti-entomopathogenic fungal protein secreted from <i>Pseudomonas aeruginosa</i> BGf-2: An intestinal bacterium of <i>Blattella germanica</i> (L.). <i>Journal of Invertebrate Pathology</i> , 2020, 173, 107371.	1.5	11
17	Boric acid was orally toxic to different instars of <i>Blattella germanica</i> (L.) (Blattodea: Blattellidae) and caused dysbiosis of the, gut microbiota. <i>Pesticide Biochemistry and Physiology</i> , 2021, 172, 104756.	1.6	11
18	The gut commensal bacterium <i>Enterococcus faecalis</i> LX10 contributes to defending against <i>Nosema bombycis</i> infection in <i>Bombyx mori</i> . <i>Pest Management Science</i> , 2022, 78, 2215-2227.	1.7	11

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19	Synergism between Hydramethylnon and Metarhizium anisopliae and Their Influence on the Gut Microbiome of <i>Blattella germanica</i> (L.). <i>Insects</i> , 2020, 11, 538.	1.0	8
20	Ovarian morphological features and proteome reveal fecundity fitness disadvantages in Î²-cypermethrin-resistant strains of <i>Blattella germanica</i> (L.) (Blattodea: Blattellidae). <i>Pesticide Biochemistry and Physiology</i> , 2020, 170, 104682.	1.6	8
21	Analysis of chemosensory genes in <i>Semiothisa cinerearia</i> reveals sex-specific contributions for type-II sex pheromone chemosensation. <i>Genomics</i> , 2020, 112, 3846-3855.	1.3	6
22	Features and Colonization Strategies of <i>Enterococcus faecalis</i> in the Gut of <i>Bombyx mori</i> . <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	5
23	Boric acid enhances <i>Metarhizium anisopliae</i> virulence in <i>Blattella germanica</i> (L.) by disrupting the gut and altering its microbial community. <i>Biological Control</i> , 2021, 152, 104430.	1.4	4
24	<i>Metarhizium anisopliae</i> is a valuable grist for biocontrol in beta-cypermethrin-resistant <i>Blattella germanica</i> (L.). <i>Pest Management Science</i> , 2022, 78, 1508-1518.	1.7	3
25	Mutation of the sixth amino acid of the Rep protein has no effect on porcine circovirus 2b but enhances porcine circovirus 2d replication in vitro. <i>Archives of Virology</i> , 2021, 166, 3189-3192.	0.9	2