Deguang Liu

List of Publications by Year
in descending order

28	332	840776 11	888059 17
papers	citations	h-index	g-index

28	28	28	188
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Expression Profiles and Functional Characterization of Two Odorant-Binding Proteins From the Apple Buprestid Beetle Agrilus mali (Coleoptera: Buprestidae). Journal of Economic Entomology, 2018, 111, 1420-1432.	1.8	36
2	Differential Performance of <I>Sitobion avenae</I> (Hemiptera: Aphididae) Clones From Wheat and Barley With Implications for its Management Through Alternative Cultural Practices. Journal of Economic Entomology, 2013, 106, 1294-1301.	1.8	27
3	Differential Performance of <I>Sitobion avenae</I> Populations From Both Sides of the Qinling Mountains Under Common Garden Conditions. Environmental Entomology, 2013, 42, 1174-1183.	1.4	26
4	Molecular and Quantitative Genetic Differentiation in Sitobion avenae Populations from Both Sides of the Qinling Mountains. PLoS ONE, 2015, 10, e0122343.	2.5	20
5	Comparison of fitness traits and their plasticity on multiple plants for Sitobion avenae infected and cured of a secondary endosymbiont. Scientific Reports, 2016, 6, 23177.	3.3	20
6	Impact of water-deficit stress on tritrophic interactions in a wheat-aphid-parasitoid system. PLoS ONE, 2017, 12, e0186599.	2.5	20
7	Genetic Basis and Selection for Life-History Trait Plasticity on Alternative Host Plants for the Cereal Aphid Sitobion avenae. PLoS ONE, 2014, 9, e106179.	2.5	19
8	Morphology and Ultrastructure of Antennal Sensilla in Male and FemaleAgrilus mali(Coleoptera: Buprestidae). Journal of Insect Science, 2016, 16, 87.	1.5	19
9	Impacts of Water Deficiency on Life History ofSitobion avenaeClones From Semi-arid and Moist Areas. Journal of Economic Entomology, 2015, 108, 2250-2258.	1.8	18
10	Analyses of structural dynamics revealed flexible binding mechanism for the <scp>Agrilus mali</scp> odorant binding protein 8 towards plant volatiles. Pest Management Science, 2021, 77, 1642-1653.	3.4	15
11	Life-history responses of insects to water-deficit stress: a case study with the aphid Sitobion avenae. BMC Ecology, 2018, 18, 17.	3.0	13
12	Life-history trait plasticity and its relationships with plant adaptation and insect fitness: a case study on the aphid Sitobion avenae. Scientific Reports, 2016, 6, 29974.	3.3	12
13	Climate change simulations revealed potentially drastic shifts in insect community structure and crop yields in Chinaâ€™s farmland. Journal of Pest Science, 2023, 96, 55-69.	3.7	12
14	Genetic Differentiation and Structure of Sitobion avenae (Hemiptera: Aphididae) Populations From Moist, Semiarid and Arid Areas in Northwestern China. Journal of Economic Entomology, 2018, 111, 603-611.	1.8	11
15	Effects of a presumably protective endosymbiont on lifeâ€history characters and their plasticity for its host aphid on three plants. Ecology and Evolution, 2018, 8, 13004-13013.	1.9	10
16	Transcriptional Responses in Defense-Related Genes of Sitobion avenae (Hemiptera: Aphididae) Feeding on Wheat and Barley. Journal of Economic Entomology, 2019, 112, 382-395.	1.8	10
17	Clonal Diversity and Genetic Differentiation of Sitobion avenae (Hemiptera: Aphididae) From Wheat and Barley in China. Journal of Economic Entomology, 2019, 112, 1217-1226.	1.8	6
18	Transcriptome profiling revealed potentially important roles of defensive gene expression in the divergence of insect biotypes: a case study with the cereal aphid Sitobion avenae. BMC Genomics, 2020, 21, 546.	2.8	6

#	Article	IF	Citations
19	Transcriptome Profiling Revealed Potentially Critical Roles for Digestion and Defense-Related Genes in Insectsâ€™ Use of Resistant Host Plants: A Case Study with Sitobion Avenae. Insects, 2020, 11, 90.	2.2	6
20	Increasing risk of aphids spreading plant viruses in maize fields on both sides of China's <scp>Heiheâ€Tengchong</scp> line under climate change. Pest Management Science, 2022, 78, 3061-3070.	3.4	6
21	Identification and Genetic Differentiation of Sitobion avenae (Hemiptera: Aphididae) Biotypes in China. Journal of Economic Entomology, 2019, 113, 407-417.	1.8	4
22	Electrophysiological and Alarm Responses of Solenopsis invicta Buren (Hymenoptera: Formicidae) to 2-Ethyl-3,5-dimethylpyrazine. Insects, 2019, 10, 451.	2.2	4
23	Probing behaviors and their plasticity for the aphid Sitobion avenae on three alternative host plants. PLoS ONE, 2018, 13, e0203219.	2.5	3
24	Divergence of Desiccation-Related Traits in Sitobion avenae from Northwestern China. Insects, 2020, 11, 626.	2.2	3
25	Functional Characterization of Chemosensory Protein AmalCSP5 From Apple Buprestid Beetle, Agrilus mali (Coleoptera: Buprestidae). Journal of Economic Entomology, 2021, 114, 348-359.	1.8	3
26	Genetic Divergence of Two Sitobion avenae Biotypes on Barley and Wheat in China. Insects, 2020, 11, 117.	2.2	1
27	Functional divergence of three glutathione transferases in two biotypes of the English grain aphid, Sitobion avenae. Entomologia Experimentalis Et Applicata, 0, , .	1.4	1
28	OUP accepted manuscript. Journal of Economic Entomology, 2022, , .	1.8	1