Zehua Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

46	567	759233 12	713466 21
papers	citations	h-index	g-index

47	47	47	441
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transcriptomic and proteomic analysis of pre-diapause and non-diapause eggs of migratory locust, Locusta migratoria L. (Orthoptera: Acridoidea). Scientific Reports, 2015, 5, 11402.	3.3	79
2	Biochemical basis of synergism between pathogenic fungus Metarhizium anisopliae and insecticide chlorantraniliprole in Locusta migratoria (Meyen). Scientific Reports, 2016, 6, 28424.	3.3	53
3	Transcriptomic and proteomic analysis of Locusta migratoria eggs at different embryonic stages: Comparison for diapause and non-diapause regimes. Journal of Integrative Agriculture, 2017, 16, 1777-1788.	3.5	36
4	Novel Lom-dh Genes Play Potential Role in Promoting Egg Diapause of Locusta migratoria L.. Frontiers in Physiology, 2019, 10, 767.	2.8	35
5	Biology, physiology and gene expression of grasshopper Oedaleus asiaticus exposed to diet stress from plant secondary compounds. Scientific Reports, 2017, 7, 8655.	3.3	27
6	Quercetin Affects the Growth and Development of the Grasshopper Oedaleus asiaticus (Orthoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	23
7	The Function of LmPrx6 in Diapause Regulation in Locusta migratoria Through the Insulin Signaling Pathway. Insects, 2020, 11, 763.	2.2	22
8	Transcriptome Sequencing Reveals Potential Mechanisms of the Maternal Effect on Egg Diapause Induction of Locusta migratoria. International Journal of Molecular Sciences, 2019, 20, 1974.	4.1	21
9	Response of peanut Arachis hypogaea roots to the presence of beneficial and pathogenic fungi by transcriptome analysis. Scientific Reports, 2017, 7, 964.	3.3	20
10	Diet alters performance and transcription patterns in Oedaleus asiaticus (Orthoptera: Acrididae) grasshoppers. PLoS ONE, 2017, 12, e0186397.	2.5	16
11	Inhibitory Effects of Plant Trypsin Inhibitors Msti-94 and Msti-16 on Therioaphis trifolii (Monell) (Homoptera: Aphididae) in Alfalfa. Insects, 2019, 10, 154.	2.2	14
12	Laboratory evaluation of entomopathogenic fungi against the white grubs,Holotrichia oblitaandAnomala corpulenta(Coleoptera: Scarabaeidae) from the field of peanut,Arachis hypogaea. Biocontrol Science and Technology, 2011, 21, 593-603.	1.3	13
13	Improving the Degree-Day Model for Forecasting Locusta migratoria manilensis (Meyen) (Orthoptera:) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	13
14	Different Effects of Metarhizium anisopliae Strains IMI330189 and IBC200614 on Enzymes Activities and Hemocytes of Locusta migratoria L.. PLoS ONE, 2016, 11, e0155257.	2.5	13
15	Growth, Development and Daily Change in Body Weight ofLocusta migratoria manilensis(Orthoptera: Acrididae) Nymphs at Different Temperatures. Journal of Orthoptera Research, 2012, 21, 133-140.	1.0	12
16	Comparative transcriptomic analysis of resistant and susceptible alfalfa cultivars (Medicago sativa L.) after thrips infestation. BMC Genomics, 2018, 19, 116.	2.8	12
17	Dietary Stress From Plant Secondary Metabolites Contributes to Grasshopper (Oedaleus asiaticus) Migration or Plague by Regulating Insect Insulin-Like Signaling Pathway. Frontiers in Physiology, 2019, 10, 531.	2.8	12
18	Improving a method for evaluating alfalfa cultivar resistance to thrips. Journal of Integrative Agriculture, 2016, 15, 600-607.	3.5	10

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19	Serpin7 controls egg diapause of migratory locust (LocustaÂmigratoria) by regulating polyphenol oxidase. FEBS Open Bio, 2020, 10, 707-717.	2.3	10
20	Molecular Ecological Basis of Grasshopper (Oedaleus asiaticus) Phenotypic Plasticity under Environmental Selection. Frontiers in Physiology, 2017, 8, 770.	2.8	9
21	Role of PTP/PTK trans activated insulin-like signalling pathway in regulation of grasshopper (Oedaleus) Tj ETQq1 1 0.784314 rgBT /Ov	5.3	9
22	The survival, growth, and detoxifying enzyme activities of grasshoppers Oedaleus asiaticus (Orthoptera: Acrididae) exposed to toxic rutin. Applied Entomology and Zoology, 2020, 55, 385-393.	1.2	9
23	Molecular Identification and Immunity Functional Characterization of Lmserpin1 in Locusta migratoria manilensis. Insects, 2021, 12, 178.	2.2	9
24	Transcriptome approach to understand the potential mechanisms of resistant and susceptible alfalfa (Medicago sativa L.) cultivars in response to aphid feeding. Journal of Integrative Agriculture, 2018, 17, 2518-2527.	3.5	8
25	Molecular identification and diapauseâ€related functional characterization of a novel dualâ€specificity kinase gene, MPKL , in Locusta migratoria. FEBS Letters, 2019, 593, 3064-3074.	2.8	8
26	Comparative Transcriptomic Analysis Reveals Molecular Profiles of Central Nervous System in Maternal Diapause Induction of Locusta migratoria. G3: Genes, Genomes, Genetics, 2019, 9, 3287-3296.	1.8	8
27	Mass windborne migrations extend the range of the migratory locust in East China. Agricultural and Forest Entomology, 2020, 22, 41-49.	1.3	8
28	Persistence and proliferation of a ChineseMetarhizium anisopliaes.s. isolate in the peanut plant root zone. Biocontrol Science and Technology, 2016, 26, 746-758.	1.3	7
29	Functional identification of an FMRFamide-related peptide gene on diapause induction of the migratory locust, Locusta migratoria L. Genomics, 2020, 112, 1821-1828.	2.9	7
30	Influence of Metarhizium anisopliae (IMI330189) and Mad1 protein on enzymatic activities and Toll-related genes of migratory locust. Environmental Science and Pollution Research, 2019, 26, 17797-17808.	5.3	5
31	Identification of the key genes involved in the regulation of symbiotic pathways induced by Metarhizium anisopliae in peanut (Arachis hypogaea) roots. 3 Biotech, 2020, 10, 124.	2.2	5
32	Effects of Glutamate and Na+ on the Development and Enzyme Activity of the Oriental Migratory Locust, Locusta migratoria manilensis (Meyen) in Successive Generations. Journal of Integrative Agriculture, 2014, 13, 819-826.	3.5	4
33	Diets structure of a common lizard Eremias argus and their effects on grasshoppers: Implications for a potential biological agent. Journal of Asia-Pacific Entomology, 2016, 19, 133-138.	0.9	4
34	Visualising confirmation of the endophytic relationship of Metarhizium anisopliae with maize roots using molecular tools and fluorescent labelling. Biocontrol Science and Technology, 2019, 29, 1023-1036.	1.3	4
35	Migratory Take-Off Behaviour of the Mongolian Grasshopper Oedaleus asiaticus. Insects, 2020, 11, 416.	2.2	4
36	Bioinformatics Analysis and Functional Characterization of the CFEM Proteins of Metarhizium anisopliae. Journal of Fungi (Basel, Switzerland), 2022, 8, 661.	3.5	4

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37	Understanding the genetic mechanism of resistance in aphid-treated alfalfa (Medicago sativa L.) through proteomic analysis. 3 Biotech, 2019, 9, 241.	2.2	3
38	An Analysis of the Possible Migration Routes of Oedaleus decorus asiaticus Bey-Bienko (Orthoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.2	3
39	Plant composition changes in a small-scale community have a large effect on the performance of an economically important grassland pest. BMC Ecology, 2019, 19, 32.	3.0	2
40	Synergy in Efficacy of Artemisia sieversiana Crude Extract and Metarhizium anisopliae on Resistant Oedaleus asiaticus. Frontiers in Physiology, 2021, 12, 642893.	2.8	2
41	Inhibitory effect of genistein and PTP1B on grasshopper Oedaleus asiaticus development. Arthropod-Plant Interactions, 2020, 14, 441-452.	1.1	1
42	Peanut early flowering stage is beneficial to Metarhizium anisopliae survival and control of white grub larvae. 3 Biotech, 2020, 10, 188.	2.2	1
43	Transcriptomic differences in response to Metarhizium anisopliae and Trichoderma harzianum uncovers major regulative genes and pathways for establishment of beneficial relationship in peanut. Biological Control, 2022, 172, 104964.	3.0	1
44	Low Temperature Storage of Eggs Improve the Development and Reproduction ofLocusta migratoria(Orthoptera: Acrididae). Journal of Economic Entomology, 2016, 109, 2061-2068.	1.8	0
45	Transcriptomic Analysis Following Artificial Selection for Grasshopper Size. Insects, 2020, 11, 176.	2.2	0
46	Antagonism between PTP1B and PTK Mediates Adultsâ€™ Insulin-Like Signaling Regulation of Egg Diapause in the Migratory Locust. Insects, 2021, 12, 253.	2.2	0