Zehua Zhang

List of Publications by Year
in descending order

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	An Analysis of the Possible Migration Routes of Oedaleus decorus asiaticus Bey-Bienko (Orthoptera:) Tj ETQq1 1 0.784314 rgBT /Over	2.2	3
2	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
3	Bioinformatics Analysis and Functional Characterization of the CFEM Proteins of Metarhizium anisopliae. Journal of Fungi (Basel, Switzerland), 2022, 8, 661.	3.5	4
4	Molecular Identification and Immunity Functional Characterization of Lmserpin1 in Locusta migratoria manilensis. Insects, 2021, 12, 178.	2.2	9
5	Synergy in Efficacy of Artemisia sieversiana Crude Extract and Metarhizium anisopliae on Resistant Oedaleus asiaticus. Frontiers in Physiology, 2021, 12, 642893.	2.8	2
6	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
7	Mass windborne migrations extend the range of the migratory locust in East China. Agricultural and Forest Entomology, 2020, 22, 41-49.	1.3	8
8	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
9	Migratory Take-Off Behaviour of the Mongolian Grasshopper Oedaleus asiaticus. Insects, 2020, 11, 416.	2.2	4
10	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
11	The Function of LmPrx6 in Diapause Regulation in Locusta migratoria Through the Insulin Signaling Pathway. Insects, 2020, 11, 763.	2.2	22
12	Transcriptomic Analysis Following Artificial Selection for Grasshopper Size. Insects, 2020, 11, 176.	2.2	0
13	Serpin7 controls egg diapause of migratory locust (LocustaÂmigratoria) by regulating polyphenol oxidase. FEBS Open Bio, 2020, 10, 707-717.	2.3	10
14	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
15	Inhibitory effect of genistein and PTP1B on grasshopper Oedaleus asiaticus development. Arthropod-Plant Interactions, 2020, 14, 441-452.	1.1	1
16	Peanut early flowering stage is beneficial to Metarhizium anisopliae survival and control of white grub larvae. 3 Biotech, 2020, 10, 188.	2.2	1
17	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
18	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

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19	Novel Lom-dh Genes Play Potential Role in Promoting Egg Diapause of Locusta migratoria L.. Frontiers in Physiology, 2019, 10, 767.	2.8	35
20	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
21	Role of PTP/PTK trans activated insulin-like signalling pathway in regulation of grasshopper (Oedaleus) Tj ETQq1 1 0.784314 rgBT /Ove	5.3	9
22	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
23	Understanding the genetic mechanism of resistance in aphid-treated alfalfa (Medicago sativa L.) through proteomic analysis. 3 Biotech, 2019, 9, 241.	2.2	3
24	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
25	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
26	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
27	Quercetin Affects the Growth and Development of the Grasshopper Oedaleus asiaticus (Orthoptera:) Tj ETQq1 1 0.784314 rgBT /Ove	1.8	23
28	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
29	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
30	Comparative transcriptomic analysis of resistant and susceptible alfalfa cultivars (Medicago sativa L.) after thrips infestation. BMC Genomics, 2018, 19, 116.	2.8	12
31	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
32	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
33	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
34	Molecular Ecological Basis of Grasshopper (Oedaleus asiaticus) Phenotypic Plasticity under Environmental Selection. Frontiers in Physiology, 2017, 8, 770.	2.8	9
35	Diet alters performance and transcription patterns in Oedaleus asiaticus (Orthoptera: Acrididae) grasshoppers. PLoS ONE, 2017, 12, e0186397.	2.5	16
36	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

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37	Biochemical basis of synergism between pathogenic fungus Metarhizium anisopliae and insecticide chlorantraniliprole in Locusta migratoria (Meyen). Scientific Reports, 2016, 6, 28424.	3.3	53
38	Improving a method for evaluating alfalfa cultivar resistance to thrips. Journal of Integrative Agriculture, 2016, 15, 600-607.	3.5	10
39	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
40	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
41	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
42	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
43	Improving the Degree-Day Model for Forecasting Locusta migratoria manilensis (Meyen) (Orthoptera:) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	13
44	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
45	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
46	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