Bin Li

List of Publications by Year
in descending order

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63	4,249	304743	144013
papers	citations	22	57
		h-index	g-index

63	63	63	4079
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterization of a sigma class GST (GSTS6) required for cellular detoxification and embryogenesis in Tribolium castaneum. Insect Science, 2022, 29, 215-229.	3.0	19
2	Functional analysis of zona pellucida domain protein Dusky in Tribolium castaneum. Insect Science, 2022, 29, 388-398.	3.0	3
3	A heat shock protein protects against oxidative stress induced by lambda-cyhalothrin in the green peach aphid Myzus persicae. Pesticide Biochemistry and Physiology, 2022, 181, 104995.	3.6	20
4	MiR â€3017b contributes to metamorphosis by targeting sarco/endoplasmic reticulum Ca 2+ ATPase in Tribolium castaneum. Insect Molecular Biology, 2022, , .	2.0	3
5	Identification and characterization of G protein-coupled receptors in Spodoptera frugiperda (Insecta:) Tj ETQq1 1 0.784314 rgBT /Ove	1.8	6
6	RRâ€1 cuticular protein TcCPR69 is required for growth and metamorphosis in Tribolium castaneum. Insect Science, 2022, 29, 1612-1628.	3.0	8
7	Functional analysis of TcCTL12 in innate immunity and development in Tribolium castaneum. International Journal of Biological Macromolecules, 2022, 206, 422-434.	7.5	5
8	Response of xenobiotic biodegradation and metabolic genes in Tribolium castaneum following eugenol exposure. Molecular Genetics and Genomics, 2022, 297, 801-815.	2.1	11
9	Three cytochrome <scp>P450 CYP4</scp> family genes regulated by the <scp>CncC</scp> signaling pathway mediate phytochemical susceptibility in the red flour beetle, Tribolium castaneum. Pest Management Science, 2022, 78, 3508-3518.	3.4	15
10	Genomeâ€wide identification and characterization of long nonâ€coding RNAs in Tribolium castaneum. Insect Science, 2021, 28, 1262-1276.	3.0	16
11	Functions of a Câ€type lectin with a single carbohydrateâ€recognition domain in the innate immunity and movement of the red flour beetle, <scp>Tribolium castaneum</scp>. Insect Molecular Biology, 2021, 30, 90-101.	2.0	13
12	Identification and Expression Analysis of G Protein-Coupled Receptors in the Miridae Insect Apolygus lucorum. Frontiers in Endocrinology, 2021, 12, 773669.	3.5	10
13	Identification and functional characterization of methyl-CpG binding domain protein from Tribolium castaneum. Genomics, 2020, 112, 2223-2232.	2.9	12
14	Functional analysis of a novel orthologous small heat shock protein (shsp) hsp21.8a and seven species-specific shsps in Tribolium castaneum. Genomics, 2020, 112, 4474-4485.	2.9	10
15	Odorant-Binding Proteins Contribute to the Defense of the Red Flour Beetle, Tribolium castaneum, Against Essential Oil of Artemisia vulgaris. Frontiers in Physiology, 2020, 11, 819.	2.8	20
16	A new neuropeptide insect parathyroid hormone iPTH in the red flour beetle Tribolium castaneum. PLoS Genetics, 2020, 16, e1008772.	3.5	24
17	A Câ€type lectin with <scp>dualâ€CRD</scp> from Tribolium castaneum is induced in response to bacterial challenge. Pest Management Science, 2020, 76, 3965-3974.	3.4	22
18	Insecticidal Activity of Artemisia vulgaris Essential Oil and Transcriptome Analysis of Tribolium castaneum in Response to Oil Exposure. Frontiers in Genetics, 2020, 11, 589.	2.3	50

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19	Functional diversification of three deltaâ€class glutathione Sâ€transferases involved in development and detoxification in <scp>Tribolium castaneum</scp>. Insect Molecular Biology, 2020, 29, 320-336.	2.0	27
20	Functional characterization of a special dicistronic transcription unit encoding histone methyltransferase su(var)3-9 and translation regulator eIF2Î³ in Tribolium castaneum. Biochemical Journal, 2020, 477, 3059-3074.	3.7	4
21	A new neuropeptide insect parathyroid hormone iPTH in the red flour beetle Tribolium castaneum. , 2020, 16, e1008772.		0
22	A new neuropeptide insect parathyroid hormone iPTH in the red flour beetle Tribolium castaneum. , 2020, 16, e1008772.		0
23	A new neuropeptide insect parathyroid hormone iPTH in the red flour beetle Tribolium castaneum. , 2020, 16, e1008772.		0
24	A new neuropeptide insect parathyroid hormone iPTH in the red flour beetle Tribolium castaneum. , 2020, 16, e1008772.		0
25	A new neuropeptide insect parathyroid hormone iPTH in the red flour beetle Tribolium castaneum. , 2020, 16, e1008772.		0
26	A new neuropeptide insect parathyroid hormone iPTH in the red flour beetle Tribolium castaneum. , 2020, 16, e1008772.		0
27	Latrophilin participates in insecticide susceptibility through positively regulating CSP10 and partially compensated by OBPC01 in Tribolium castaneum. Pesticide Biochemistry and Physiology, 2019, 159, 107-117.	3.6	50
28	A Câ€type lectin with a single carbohydrateâ€recognition domain involved in the innate immune response of Tribolium castaneum. Insect Molecular Biology, 2019, 28, 649-661.	2.0	30
29	CYP4BN6 and CYP6BQ11 mediate insecticide susceptibility and their expression is regulated by Latrophilin in Tribolium castaneum. Pest Management Science, 2019, 75, 2744-2755.	3.4	32
30	Latrophilin mediates insecticides susceptibility and fecundity through two carboxylesterases, esterase4 and esterase6, in Tribolium castaneum. Bulletin of Entomological Research, 2019, 109, 534-543.	1.0	17
31	Multiple functions of miRâ€8â€3p in the development and metamorphosis of the red flour beetle, Tribolium castaneum. Insect Molecular Biology, 2019, 28, 208-221.	2.0	19
32	Characterization and functional analysis of hsp18.3 gene in the red flour beetle, Tribolium castaneum. Insect Science, 2019, 26, 263-273.	3.0	30
33	Identification, expression and function of myosin heavy chain family genes in Tribolium castaneum. Genomics, 2019, 111, 719-728.	2.9	7
34	Functional analysis of the circadian clock gene timeless in Tribolium castaneum. Insect Science, 2018, 25, 418-428.	3.0	15
35	Comparative RNA-sequencing analysis of ER-based HSP90 functions and signal pathways in Tribolium castaneum. Cell Stress and Chaperones, 2018, 23, 29-43.	2.9	10
36	Transcriptome analysis of hsp18.3 functions and regulatory systems using RNA-sequencing in the red flour beetle, Tribolium castaneum. Journal of Integrative Agriculture, 2018, 17, 1040-1056.	3.5	5

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37	CharacterizationÂandÂfunctionalÂanalysisÂofÂhsp21.8b: An orthologous smallÂheatÂshock protein geneÂinÂTriboliumÂcastaneum. Journal of Applied Entomology, 2018, 142, 654-666.	1.8	10
38	Transcriptome profiling analysis reveals the role of latrophilin in controlling development, reproduction and insecticide susceptibility in Tribolium castaneum. Genetica, 2018, 146, 287-302.	1.1	17
39	Crinkled employs wingless pathway for wing development in Tribolium castaneum. Archives of Insect Biochemistry and Physiology, 2018, 99, e21496.	1.5	3
40	MicroRNA-dependent regulation of metamorphosis and identification of microRNAs in the red flour beetle, Tribolium castaneum. Genomics, 2017, 109, 362-373.	2.9	37
41	Identification and evolution of latrophilin receptor gene involved in Tribolium castaneum devolopment and female fecundity. Genesis, 2017, 55, e23081.	1.6	15
42	Genome-wide DNA methylomes from discrete developmental stages reveal the predominance of non-CpG methylation in Tribolium castaneum. DNA Research, 2017, 24, 445-457.	3.4	36
43	Dusky works upstream of Fourâ€jointed and Forked in wing morphogenesis in Tribolium castaneum. Insect Molecular Biology, 2017, 26, 677-686.	2.0	6
44	Comparative RNA-sequencing profiling reveals novel Delta-class glutathione S-transferases relative genes expression patterns in Tribolium castaneum. Gene, 2016, 593, 13-20.	2.2	24
45	Dusky-like is required for epidermal pigmentation and metamorphosis in Tribolium castaneum. Scientific Reports, 2016, 6, 20102.	3.3	8
46	Identification and evolution of two insulin receptor genes involved in Tribolium castaneum development and reproduction. Gene, 2016, 585, 196-204.	2.2	60
47	Tcmof REGULATES LARVAL/PUPAL DEVELOPMENT AND FEMALE FECUNDITY IN RED FLOUR BEETLE, Tribolium castaneum. Archives of Insect Biochemistry and Physiology, 2015, 88, 111-122.	1.5	3
48	<scp>M</scp>ethuselahâ€like genes affect development, stress resistance, lifespan and reproduction in <scp>T</scp>ribolium castaneum. Insect Molecular Biology, 2014, 23, 587-597.	2.0	43
49	Identification and comparative analysis of G protein-coupled receptors in Pediculus humanus humanus. Genomics, 2014, 104, 58-67.	2.9	7
50	Comparative RNA-sequencing analysis of mthl1 functions and signal transductions in Tribolium castaneum. Gene, 2014, 547, 310-318.	2.2	17
51	Identification and characterization of novel ER-based hsp90 gene in the red flour beetle, Tribolium castaneum. Cell Stress and Chaperones, 2014, 19, 623-633.	2.9	22
52	Comparative genomic analysis and evolution of family-B G protein-coupled receptors from six model insect species. Gene, 2013, 519, 1-12.	2.2	53
53	Identification of G protein-coupled receptors in the pea aphid, Acyrthosiphon pisum. Genomics, 2013, 102, 345-354.	2.9	45
54	Glutathione S-transferase (GST) genes in the red flour beetle, Tribolium castaneum, and comparative analysis with five additional insects. Genomics, 2012, 100, 327-335.	2.9	136

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55	Functions of duplicated genes encoding CCAP receptors in the red flour beetle, Tribolium castaneum. Journal of Insect Physiology, 2011, 57, 1190-1197.	2.0	40
56	Functions of ion transport peptide and ion transport peptide-like in the red flour beetle Tribolium castaneum. Insect Biochemistry and Molecular Biology, 2009, 39, 717-725.	2.7	92
57	Genomics, transcriptomics, and peptidomics of neuropeptides and protein hormones in the red flour beetle Tribolium castaneum. Genome Research, 2008, 18, 113-122.	5.5	359
58	The genome of the model beetle and pest Tribolium castaneum. Nature, 2008, 452, 949-955.	27.8	1,255
59	A genome-wide inventory of neurohormone GPCRs in the red flour beetle Tribolium castaneum. Frontiers in Neuroendocrinology, 2008, 29, 142-165.	5.2	221
60	Functional analysis of four neuropeptides, EH, ETH, CCAP and bursicon, and their receptors in adult ecdysis behavior of the red flour beetle, Tribolium castaneum. Mechanisms of Development, 2008, 125, 984-995.	1.7	168
61	Multiple Interval Mapping for Whole Cocoon Weight and Related Economically Important Traits QTL in Silkworm (Bombyx mori). Agricultural Sciences in China, 2006, 5, 798-804.	0.6	3
62	Genes Encoding Small Heat Shock Proteins of the Silkworm,Bombyx mori. Bioscience, Biotechnology and Biochemistry, 2006, 70, 2443-2450.	1.3	62
63	A Draft Sequence for the Genome of the Domesticated Silkworm (Bombyx mori). Science, 2004, 306, 1937-1940.	12.6	994