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List of Publications by Year
in descending order

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34 papers	4,841 citations	331670 21 h-index	377865 34 g-index
34 all docs	34 docs citations	34 times ranked	5297 citing authors

#	Article	IF	Citations
1	The Genome of Rhyzopertha dominica (Fab.) (Coleoptera: Bostrichidae): Adaptation for Success. Genes, 2022, 13, 446.	2.4	10
2	Characterization, expression patterns, and transcriptional responses of three core RNA interference pathway genes from Ostrinia nubilalis. Journal of Insect Physiology, 2021, 129, 104181.	2.0	8
3	New Technologies for Studying Negative-Strand RNA Viruses in Plant and Arthropod Hosts. Molecular Plant-Microbe Interactions, 2020, 33, 382-393.	2.6	17
4	Molecular Characterizations of Double-Stranded RNA Degrading Nuclease Genes from Ostrinia nubilalis. Insects, 2020, 11, 652.	2.2	17
5	Core commitments for field trials of gene drive organisms. Science, 2020, 370, 1417-1419.	12.6	67
6	Transcriptome analysis of life stages of the house cricket, Acheta domesticus, to improve insect crop production. Scientific Reports, 2020, 10, 3471.	3.3	20
7	The impact of local population genetic background on the spread of the selfish element Medeaâ€1 in red flour beetles. Ecology and Evolution, 2020, 10, 863-874.	1.9	3
8	Effects of targeting eye color in Tenebrio molitor through RNA interference of tryptophan 2,3â€dioxygenase (vermilion): Implications for insect farming. Archives of Insect Biochemistry and Physiology, 2019, 101, e21546.	1.5	8
9	The distribution and spread of naturally occurring Medea selfish genetic elements in the United States. Ecology and Evolution, 2019, 9, 14407-14416.	1.9	6
10	Structural and functional insights into the Diabrotica virgifera virgifera ATP-binding cassette transporter gene family. BMC Genomics, 2019, 20, 899.	2.8	8
11	Agricultural production: assessment of the potential use ofÂCas9-mediated gene drive systems for agricultural pest control. Journal of Responsible Innovation, 2018, 5, S98-S120.	4.9	64
12	Metabolic pathway interruption: CRISPR/Cas9-mediated knockout of tryptophan 2,3-dioxygenase in Tribolium castaneum. Journal of Insect Physiology, 2018, 107, 104-109.	2.0	23
13	Development and use of a piggyBac â€based jumpstarter system in Drosophila suzukii. Archives of Insect Biochemistry and Physiology, 2018, 97, e21439.	1.5	8
14	Germline transformation of the western corn rootworm, Diabrotica virgifera virgifera. Insect Molecular Biology, 2017, 26, 440-452.	2.0	10
15	Multifaceted biological insights from a draft genome sequence of the tobacco hornworm moth, Manduca sexta. Insect Biochemistry and Molecular Biology, 2016, 76, 118-147.	2.7	154
16	Genes related to mitochondrial functions are differentially expressed in phosphine-resistant and -susceptible Tribolium castaneum. BMC Genomics, 2015, 16, 968.	2.8	47
17	The ABCs of Eye Color inTribolium castaneum: Orthologs of theDrosophila white,scarlet, andbrownGenes. Genetics, 2015, 199, 749-759.	2.9	58
18	Functional analysis of the ATP-binding cassette (ABC) transporter gene family of Tribolium castaneum. BMC Genomics, 2013, 14, 6.	2.8	177

#	Article	IF	Citations
19	Genetic Structure of Tribolium castaneum (Coleoptera: Tenebrionidae) Populations in Mills. Environmental Entomology, 2012, 41, 188-199.	1.4	25
20	Transcriptome Profiling of the Intoxication Response of Tenebrio molitor Larvae to Bacillus thuringiensis Cry3Aa Protoxin. PLoS ONE, 2012, 7, e34624.	2.5	60
21	A Novel Tenebrio molitor Cadherin Is a Functional Receptor for Bacillus thuringiensis Cry3Aa Toxin. Journal of Biological Chemistry, 2009, 284, 18401-18410.	3.4	102
22	Tribolium castaneum Larval Gut Transcriptome and Proteome: A Resource for the Study of the Coleopteran Gut. Journal of Proteome Research, 2009, 8, 3889-3898.	3.7	71
23	The genome of the model beetle and pest Tribolium castaneum. Nature, 2008, 452, 949-955.	27.8	1,255
24	Analysis of transcriptome data in the red flour beetle, Tribolium castaneum. Insect Biochemistry and Molecular Biology, 2008, 38, 380-386.	2.7	46
25	Tubulin superfamily genes in Tribolium castaneum and the use of a Tubulin promoter to drive transgene expression. Insect Biochemistry and Molecular Biology, 2008, 38, 749-755.	2.7	37
26	The maternal-effect, selfish genetic element Medea is associated with a composite Tc1 transposon. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10085-10089.	7.1	43
27	piggyBac-based insertional mutagenesis in Tribolium castaneum using donor/helper hybrids. Insect Molecular Biology, 2007, 16, 265-275.	2.0	75
28	Insights into social insects from the genome of the honeybee Apis mellifera. Nature, 2006, 443, 931-949.	27.8	1,648
29	The Tribolium chitin synthase genes TcCHS1 and TcCHS2 are specialized for synthesis of epidermal cuticle and midgut peritrophic matrix. Insect Molecular Biology, 2005, 14, 453-463.	2.0	289
30	Genetic Linkage Maps of the Red Flour Beetle, Tribolium castaneum, Based on Bacterial Artificial Chromosomes and Expressed Sequence Tags. Genetics, 2005, 170, 741-747.	2.9	53
31	piggyBac-mediated germline transformation in the beetle Tribolium castaneum. Insect Molecular Biology, 2003, 12, 433-440.	2.0	132
32	Transgene expression from the Tribolium castaneum Polyubiquitin promoter. Insect Molecular Biology, 2002, 11, 399-407.	2.0	38
33	Cloning and Characterization of the Tribolium castaneum Eye-Color Genes Encoding Tryptophan Oxygenase and Kynurenine 3-Monooxygenase. Genetics, 2002, 160, 225-234.	2.9	116
34	Using RNAi to investigate orthologous homeotic gene function during development of distantly related insects. Evolution & Development, 1999, 1, 11-15.	2.0	146