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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	Insights into social insects from the genome of the honeybee Apis mellifera. Nature, 2006, 443, 931-949.	27.8	1,648
2	The genome of the model beetle and pest Tribolium castaneum. Nature, 2008, 452, 949-955.	27.8	1,255
3	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
4	Functional analysis of the ATP-binding cassette (ABC) transporter gene family of Tribolium castaneum. BMC Genomics, 2013, 14, 6.	2.8	177
5	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
6	Using RNAi to investigate orthologous homeotic gene function during development of distantly related insects. Evolution & Development, 1999, 1, 11-15.	2.0	146
7	piggyBac-mediated germline transformation in the beetle Tribolium castaneum. Insect Molecular Biology, 2003, 12, 433-440.	2.0	132
8	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
9	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
10	piggyBac-based insertional mutagenesis in Tribolium castaneum using donor/helper hybrids. Insect Molecular Biology, 2007, 16, 265-275.	2.0	75
11	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
12	Core commitments for field trials of gene drive organisms. Science, 2020, 370, 1417-1419.	12.6	67
13	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
14	Transcriptome Profiling of the Intoxication Response of Tenebrio molitor Larvae to Bacillus thuringiensis Cry3Aa Protoxin. PLoS ONE, 2012, 7, e34624.	2.5	60
15	The ABCs of Eye Color inTribolium castaneum: Orthologs of theDrosophila white,scarlet, andbrownGenes. Genetics, 2015, 199, 749-759.	2.9	58
16	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
17	Genes related to mitochondrial functions are differentially expressed in phosphine-resistant and -susceptible Tribolium castaneum. BMC Genomics, 2015, 16, 968.	2.8	47
18	Analysis of transcriptome data in the red flour beetle, Tribolium castaneum. Insect Biochemistry and Molecular Biology, 2008, 38, 380-386.	2.7	46

#	Article	IF	Citations
19	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
20	Transgene expression from the Tribolium castaneum Polyubiquitin promoter. Insect Molecular Biology, 2002, 11, 399-407.	2.0	38
21	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
22	Genetic Structure of Tribolium castaneum (Coleoptera: Tenebrionidae) Populations in Mills. Environmental Entomology, 2012, 41, 188-199.	1.4	25
23	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
24	Transcriptome analysis of life stages of the house cricket, Acheta domesticus, to improve insect crop production. Scientific Reports, 2020, 10, 3471.	3.3	20
25	New Technologies for Studying Negative-Strand RNA Viruses in Plant and Arthropod Hosts. Molecular Plant-Microbe Interactions, 2020, 33, 382-393.	2.6	17
26	Molecular Characterizations of Double-Stranded RNA Degrading Nuclease Genes from Ostrinia nubilalis. Insects, 2020, 11, 652.	2.2	17
27	Germline transformation of the western corn rootworm, Diabrotica virgifera virgifera. Insect Molecular Biology, 2017, 26, 440-452.	2.0	10
28	The Genome of Rhyzopertha dominica (Fab.) (Coleoptera: Bostrichidae): Adaptation for Success. Genes, 2022, 13, 446.	2.4	10
29	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
30	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
31	Structural and functional insights into the Diabrotica virgifera virgifera ATP-binding cassette transporter gene family. BMC Genomics, 2019, 20, 899.	2.8	8
32	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
33	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
34	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