Takashi Matsuo

List of Publications by Year
in descending order

58	2,105	304743	243625
papers	citations	22 h-index	44 g-index

59	59	59	2450
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Odorant-Binding Proteins OBP57d and OBP57e Affect Taste Perception and Host-Plant Preference in Drosophila sechellia. PLoS Biology, 2007, 5, e118.	5.6	346
2	The Shaping of Male Courtship Posture by Lateralized Gustatory Inputs to Male-Specific Interneurons. Current Biology, 2010, 20, 1-8.	3.9	298
3	Dally regulates Dpp morphogen gradient formation in theDrosophila wing. Development (Cambridge), 2003, 130, 1515-1522.	2.5	207
4	Direct binding between two PDZ domain proteins Canoe and ZO-1 and their roles in regulation of the Jun N-terminal kinase pathway in Drosophila morphogenesis. Mechanisms of Development, 1998, 78, 97-111.	1.7	99
5	The Calcineurin Regulator Sra Plays an Essential Role in Female Meiosis in Drosophila. Current Biology, 2006, 16, 1435-1440.	3.9	63
6	Application of the gene search system to screen for longevity genes in Drosophila. Biogerontology, 2001, 2, 209-217.	3.9	62
7	Longevity determination genes in Drosophila melanogaster. Mechanisms of Ageing and Development, 2002, 123, 1531-1541.	4.6	59
8	Evolution of expression patterns of two odorant-binding protein genes, Obp57d and Obp57e, in Drosophila. Gene, 2010, 467, 25-34.	2.2	59
9	Identification of Candidate Odorant Receptors in Asian Corn Borer Ostrinia furnacalis. PLoS ONE, 2015, 10, e0121261.	2.5	50
10	Two types of cis - trans compensation in the evolution of transcriptional regulation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15276-15281.	7.1	49
11	Calcineurin and Its Regulator Sra/DSCR1 Are Essential for Sleep inDrosophila. Journal of Neuroscience, 2011, 31, 12759-12766.	3.6	48
12	Thioredoxin Suppresses Parkin-associated Endothelin Receptor-like Receptor-induced Neurotoxicity and Extends Longevity in Drosophila. Journal of Biological Chemistry, 2007, 282, 11180-11187.	3.4	42
13	Behavioral analyses of mutants for two odorant-binding protein genes, Obp57d and Obp57e, in Drosophila melanogaster. Genes and Genetic Systems, 2008, 83, 257-264.	0.7	41
14	Targeted mutagenesis of an odorant receptor co-receptor using TALEN in Ostrinia furnacalis. Insect Biochemistry and Molecular Biology, 2016, 70, 53-59.	2.7	39
15	Drosophila lola encodes a family of BTB-transcription regulators with highly variable C-terminal domains containing zinc finger motifs. Gene, 2003, 311, 59-69.	2.2	36
16	Sexual dimorphism and courtship behavior in Drosophila prolongata. Journal of Ethology, 2014, 32, 91-102.	0.8	36
17	Loss of Trxâ€2 enhances oxidative stressâ€dependent phenotypes in Drosophila. FEBS Letters, 2010, 584, 3398-3401.	2.8	34
18	Functional Evolution of Duplicated Odorant-Binding Protein Genes, Obp57d and Obp57e, in Drosophila. PLoS ONE, 2012, 7, e29710.	2.5	34

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19	Neural-specific overexpression of drosophila plenty of SH3s (DPOSH) extends the longevity of adult flies. Biogerontology, 2001, 2, 271-281.	3.9	27
20	Genes for Host-Plant Selection inDrosophila. Journal of Neurogenetics, 2008, 22, 195-210.	1.4	27
21	Expression Level of sarah, a Homolog of DSCR1, Is Critical for Ovulation and Female Courtship Behavior in Drosophila melanogaster. Genetics, 2004, 168, 2077-2087.	2.9	26
22	Social context-dependent modification of courtship behaviour in Drosophila prolongata. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151377.	2.6	25
23	Variation in morphological and behavioral traits among isofemale strains of <scp>D</scp>rosophila prolongata (<scp>D</scp>iptera: <scp>D</scp>rosophilidae). Entomological Science, 2015, 18, 221-229.	0.6	25
24	Rapid Evolution of Two Odorant-Binding Protein Genes, Obp57d and Obp57e, in the Drosophila melanogaster Species Group. Genetics, 2008, 178, 1061-1072.	2.9	23
25	Comparative analysis of the brain transcriptome in a hyper-aggressive fruit fly, Drosophila prolongata. Insect Biochemistry and Molecular Biology, 2017, 82, 11-20.	2.7	23
26	Insulinâ€degrading enzyme antagonizes insulinâ€dependent tissue growth and AÎ²â€induced neurotoxicity in Drosophila. FEBS Letters, 2010, 584, 2916-2920.	2.8	22
27	Identification of odorant-binding protein genes from antennal expressed sequence tags of the onion fly, Delia antiqua. Molecular Biology Reports, 2011, 38, 1787-1792.	2.3	22
28	Protective role of uric acid against photooxidative stress in the silkworm, Bombyx mori (Lepidoptera :) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	20
29	In Vivo Hyaluronan Synthesis upon Expression of the Mammalian Hyaluronan Synthase Gene in Drosophila. Journal of Biological Chemistry, 2004, 279, 18920-18925.	3.4	19
30	The Gene Search System: Its Application to Functional Genomics inDrosophila Melanogaster. Journal of Neurogenetics, 2001, 15, 169-178.	1.4	16
31	Genetic interactions of pokkuri with seven in absentia, tramtrack and downstream components of the sevenless pathway in R7 photoreceptor induction in Drosophila melanogaster. Roux's Archives of Developmental Biology, 1996, 205, 215-224.	1.2	14
32	Efficient measurement of H2O2 resistance in Drosophila using an activity monitor. Biogerontology, 2003, 4, 157-165.	3.9	14
33	A short, high-temperature treatment of host larvae to analyze Wolbachiaâ€“host interactions in the moth Ostrinia scapulalis. Journal of Insect Physiology, 2015, 81, 48-51.	2.0	13
34	Multiple Î”11-desaturase genes selectively used for sex pheromone biosynthesis are conserved in Ostrinia moth genomes. Insect Biochemistry and Molecular Biology, 2015, 61, 62-68.	2.7	13
35	Intraspecific variation in heat tolerance of Drosophila prolongata (Diptera: Drosophilidae). Applied Entomology and Zoology, 2016, 51, 515-520.	1.2	13
36	Food availability reverses the effect of hunger state on copulation rate in Drosophila prolongata females. Animal Behaviour, 2020, 166, 51-59.	1.9	12

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37	Effect of social condition on behavioral development during early adult phase in Drosophila prolongata. Journal of Ethology, 2018, 36, 15-22.	0.8	11
38	The adaptive role of a species-specific courtship behaviour in coping with remating suppression of mated females. Animal Behaviour, 2018, 140, 29-37.	1.9	11
39	Overexpression ofgrappaencoding a histone methyltransferase enhances stress resistance inDrosophila. Hereditas, 2009, 146, 19-28.	1.4	10
40	Contribution of olfactory and gustatory sensations of octanoic acid in the oviposition behavior of Drosophila melanogaster (Diptera: Drosophilidae). Applied Entomology and Zoology, 2012, 47, 137-142.	1.2	10
41	The Canoe protein is necessary in adherens junctions for development of ommatidial architecture in the Drosophila compound eye. Cell and Tissue Research, 1999, 298, 397-404.	2.9	10
42	Comparison of the ability to catabolize DIMBOA, a maize antibiotic, between Ostrinia furnacalis and Ostrinia scapulalis (Lepidoptera: Crambidae), with reference to their hybrids. Applied Entomology and Zoology, 2016, 51, 143-149.	1.2	9
43	Cloning, phylogeny, and expression analysis of the Broad-Complex gene in the longicorn beetle Psacothea hilaris. SpringerPlus, 2014, 3, 539.	1.2	8
44	Inheritance Pattern of Female Receptivity inDrosophila prolongata. Zoological Science, 2016, 33, 455-460.	0.7	8
45	Conservation and lineage-specific rearrangements in the GOBP/PBP gene complex of distantly related ditrysian Lepidoptera. PLoS ONE, 2018, 13, e0192762.	2.5	8
46	A courtship behavior that makes monandrous females polyandrous. Evolution; International Journal of Organic Evolution, 2020, 74, 2483-2493.	2.3	8
47	Intra- Versus Inter-Sexual Selection on Sexually Dimorphic Traits in Drosophila prolongata. Zoological Science, 2020, 37, 210.	0.7	8
48	Conserved <i>cis</i>-regulatory elements of two odorant-binding protein genes, <i>Obp57d</i> and <i>Obp57e</i>, in <i>Drosophila</i>. Genes and Genetic Systems, 2012, 87, 323-329.	0.7	7
49	Comprehensive identification of odorant-binding protein genes in the seed fly, Delia platura (Diptera:) Tj ETQq1 1 0.784314 rgBT /Ove	1.2	7
50	Identification of odorant-binding protein genes expressed in the antennae and the legs of the onion fly, Delia antiqua (Diptera: Anthomyiidae). Applied Entomology and Zoology, 2014, 49, 89-95.	1.2	5
51	In vitro analysis of DIMBOA catabolism in the Asian corn borer Ostrinia furnacalis (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	5
52	Limitation of Dietary Copper and Zinc Decreases Superoxide Dismutase Activity in the Onion Fly, Delia antiqua. Comparative Biochemistry and Physiology A, Comparative Physiology, 1997, 117, 191-195.	0.6	4
53	Comparative sequence analysis of a gene-dense region among closely related species of Drosophila melanogaster. Genes and Genetic Systems, 2004, 79, 351-359.	0.7	4
54	Sexually biased expression of odorant-binding proteins and chemosensory proteins in Asian corn borer Ostrinia furnacalis (Lepidoptera: Crambidae). Applied Entomology and Zoology, 2016, 51, 373-383.	1.2	4

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55	<i>piggyBac</i>- and phiC31 integrase-mediated transgenesis in <i>Drosophila prolongata</i>. Genes and Genetic Systems, 2017, 92, 277-285.	0.7	4
56	Shaping of Drosophila Male Courtship Posture by a Gustatory Pheromone. Annals of the New York Academy of Sciences, 2009, 1170, 497-501.	3.8	3
57	Automated Behavior Analysis Using a YOLO-Based Object Detection System. Neuromethods, 2022, , 257-275.	0.3	3
58	Genetic Bases of Oxidative Stress Resistance and Life Span in Drosophila. Journal of Clinical Biochemistry and Nutrition, 2004, 34, 77-83.	1.4	2