

Takashi Matsuo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

1,700
citations

21
h-index

40
g-index

59
ext. papers

1,985
ext. citations

3.3
avg, IF

4.52
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 58 | Odorant-binding proteins OBP57d and OBP57e affect taste perception and host-plant preference in <i>Drosophila sechellia</i> . <i>PLoS Biology</i> , 2007 , 5, e118 | 9.7 | 287 |
| 57 | The shaping of male courtship posture by lateralized gustatory inputs to male-specific interneurons. <i>Current Biology</i> , 2010 , 20, 1-8 | 6.3 | 270 |
| 56 | Dally regulates Dpp morphogen gradient formation in the <i>Drosophila</i> wing. <i>Development (Cambridge)</i> , 2003 , 130, 1515-22 | 6.6 | 185 |
| 55 | Direct binding between two PDZ domain proteins Canoe and ZO-1 and their roles in regulation of the jun N-terminal kinase pathway in <i>Drosophila</i> morphogenesis. <i>Mechanisms of Development</i> , 1998 , 78, 97-111 | 1.7 | 88 |
| 54 | Application of the gene search system to screen for longevity genes in <i>Drosophila</i> . <i>Biogerontology</i> , 2001 , 2, 209-17 | 4.5 | 56 |
| 53 | The calcineurin regulator <i>sra</i> plays an essential role in female meiosis in <i>Drosophila</i> . <i>Current Biology</i> , 2006 , 16, 1435-40 | 6.3 | 55 |
| 52 | Longevity determination genes in <i>Drosophila melanogaster</i> . <i>Mechanisms of Ageing and Development</i> , 2002 , 123, 1531-41 | 5.6 | 51 |
| 51 | Calcineurin and its regulator <i>sra</i> /DSCR1 are essential for sleep in <i>Drosophila</i> . <i>Journal of Neuroscience</i> , 2011 , 31, 12759-66 | 6.6 | 38 |
| 50 | Two types of cis-trans compensation in the evolution of transcriptional regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 15276-81 | 11.5 | 35 |
| 49 | Identification of candidate odorant receptors in Asian corn borer <i>Ostrinia furnacalis</i> . <i>PLoS ONE</i> , 2015 , 10, e0121261 | 3.7 | 35 |
| 48 | Thioredoxin suppresses Parkin-associated endothelin receptor-like receptor-induced neurotoxicity and extends longevity in <i>Drosophila</i> . <i>Journal of Biological Chemistry</i> , 2007 , 282, 11180-7 | 5.4 | 33 |
| 47 | Behavioral analyses of mutants for two odorant-binding protein genes, <i>Obp57d</i> and <i>Obp57e</i> , in <i>Drosophila melanogaster</i> . <i>Genes and Genetic Systems</i> , 2008 , 83, 257-64 | 1.4 | 31 |
| 46 | Loss of <i>Trx-2</i> enhances oxidative stress-dependent phenotypes in <i>Drosophila</i> . <i>FEBS Letters</i> , 2010 , 584, 3398-401 | 3.8 | 30 |
| 45 | <i>Drosophila lola</i> encodes a family of BTB-transcription regulators with highly variable C-terminal domains containing zinc finger motifs. <i>Gene</i> , 2003 , 311, 59-69 | 3.8 | 28 |
| 44 | Sexual dimorphism and courtship behavior in <i>Drosophila prolongata</i> . <i>Journal of Ethology</i> , 2014 , 32, 91-102 | | 27 |
| 43 | Functional evolution of duplicated odorant-binding protein genes, <i>Obp57d</i> and <i>Obp57e</i> , in <i>Drosophila</i> . <i>PLoS ONE</i> , 2012 , 7, e29710 | 3.7 | 26 |
| 42 | Targeted mutagenesis of an odorant receptor co-receptor using TALEN in <i>Ostrinia furnacalis</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016 , 70, 53-9 | 4.5 | 25 |

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|----|---|-----|----|
| 41 | Evolution of expression patterns of two odorant-binding protein genes, Obp57d and Obp57e, in <i>Drosophila</i> . <i>Gene</i> , 2010 , 467, 25-34 | 3.8 | 25 |
| 40 | Neural-specific overexpression of drosophila plenty of SH3s (DPOSH) extends the longevity of adult flies. <i>Biogerontology</i> , 2001 , 2, 271-81 | 4.5 | 25 |
| 39 | Insulin-degrading enzyme antagonizes insulin-dependent tissue growth and Abeta-induced neurotoxicity in <i>Drosophila</i> . <i>FEBS Letters</i> , 2010 , 584, 2916-20 | 3.8 | 21 |
| 38 | Genes for host-plant selection in <i>Drosophila</i> . <i>Journal of Neurogenetics</i> , 2008 , 22, 195-210 | 1.6 | 21 |
| 37 | Social context-dependent modification of courtship behaviour in <i>Drosophila prolongata</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20151377 | 4.4 | 19 |
| 36 | Rapid evolution of two odorant-binding protein genes, Obp57d and Obp57e, in the <i>Drosophila melanogaster</i> species group. <i>Genetics</i> , 2008 , 178, 1061-72 | 4 | 19 |
| 35 | In vivo hyaluronan synthesis upon expression of the mammalian hyaluronan synthase gene in <i>Drosophila</i> . <i>Journal of Biological Chemistry</i> , 2004 , 279, 18920-5 | 5.4 | 18 |
| 34 | Expression level of sarah, a homolog of DSCR1, is critical for ovulation and female courtship behavior in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2004 , 168, 2077-87 | 4 | 18 |
| 33 | Comparative analysis of the brain transcriptome in a hyper-aggressive fruit fly, <i>Drosophila prolongata</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017 , 82, 11-20 | 4.5 | 16 |
| 32 | Variation in morphological and behavioral traits among isofemale strains of <i>Drosophila prolongata</i> (Diptera: Drosophilidae). <i>Entomological Science</i> , 2015 , 18, 221-229 | 1.1 | 16 |
| 31 | Identification of odorant-binding protein genes from antennal expressed sequence tags of the onion fly, <i>Delia antiqua</i> . <i>Molecular Biology Reports</i> , 2011 , 38, 1787-92 | 2.8 | 16 |
| 30 | The gene search system: its application to functional genomics in <i>Drosophila melanogaster</i> . <i>Journal of Neurogenetics</i> , 2001 , 15, 169-78 | 1.6 | 16 |
| 29 | Protective role of uric acid against photooxidative stress in the silkworm, <i>Bombyx mori</i> (Lepidoptera : Bombycidae). <i>Applied Entomology and Zoology</i> , 1999 , 34, 481-484 | 1.5 | 14 |
| 28 | Genetic interactions of pokkuri with seven in absentia, tramtrack and downstream components of the sevenless pathway in R7 photoreceptor induction in <i>Drosophila melanogaster</i> . <i>Roux's Archives of Developmental Biology</i> , 1996 , 205, 215-224 | | 13 |
| 27 | Multiple $\Delta 11$ -desaturase genes selectively used for sex pheromone biosynthesis are conserved in <i>Ostrinia</i> moth genomes. <i>Insect Biochemistry and Molecular Biology</i> , 2015 , 61, 62-8 | 4.5 | 10 |
| 26 | Contribution of olfactory and gustatory sensations of octanoic acid in the oviposition behavior of <i>Drosophila melanogaster</i> (Diptera: Drosophilidae). <i>Applied Entomology and Zoology</i> , 2012 , 47, 137-142 | 1.5 | 9 |
| 25 | Overexpression of grappa encoding a histone methyltransferase enhances stress resistance in <i>Drosophila</i> . <i>Hereditas</i> , 2009 , 146, 19-28 | 2.4 | 9 |
| 24 | Efficient measurement of H ₂ O ₂ resistance in <i>Drosophila</i> using an activity monitor. <i>Biogerontology</i> , 2003 , 4, 157-65 | 4.5 | 9 |

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|----|--|-----|---|
| 23 | Intraspecific variation in heat tolerance of <i>Drosophila prolongata</i> (Diptera: Drosophilidae). <i>Applied Entomology and Zoology</i> , 2016 , 51, 515-520 | 1.5 | 9 |
| 22 | A short, high-temperature treatment of host larvae to analyze <i>Wolbachia</i> -host interactions in the moth <i>Ostrinia scapulalis</i> . <i>Journal of Insect Physiology</i> , 2015 , 81, 48-51 | 2.4 | 8 |
| 21 | The adaptive role of a species-specific courtship behaviour in coping with remating suppression of mated females. <i>Animal Behaviour</i> , 2018 , 140, 29-37 | 2.8 | 7 |
| 20 | Cloning, phylogeny, and expression analysis of the Broad-Complex gene in the longicorn beetle <i>Psacotha hilaris</i> . <i>SpringerPlus</i> , 2014 , 3, 539 | | 7 |
| 19 | Effect of social condition on behavioral development during early adult phase in. <i>Journal of Ethology</i> , 2018 , 36, 15-22 | 1.1 | 6 |
| 18 | Inheritance Pattern of Female Receptivity in <i>Drosophila prolongata</i> . <i>Zoological Science</i> , 2016 , 33, 455-460. | 8 | 6 |
| 17 | Comparison of the ability to catabolize DIMBOA, a maize antibiotic, between <i>Ostrinia furnacalis</i> and <i>Ostrinia scapulalis</i> (Lepidoptera: Crambidae), with reference to their hybrids. <i>Applied Entomology and Zoology</i> , 2016 , 51, 143-149 | 1.5 | 6 |
| 16 | Conservation and lineage-specific rearrangements in the GOBP/PBP gene complex of distantly related ditrysian Lepidoptera. <i>PLoS ONE</i> , 2018 , 13, e0192762 | 3.7 | 6 |
| 15 | Conserved cis-regulatory elements of two odorant-binding protein genes, <i>Obp57d</i> and <i>Obp57e</i> , in <i>Drosophila</i> . <i>Genes and Genetic Systems</i> , 2012 , 87, 323-9 | 1.4 | 6 |
| 14 | The Canoe protein is necessary in adherens junctions for development of ommatidial architecture in the <i>Drosophila</i> compound eye. <i>Cell and Tissue Research</i> , 1999 , 298, 397-404 | 4.2 | 6 |
| 13 | Food availability reverses the effect of hunger state on copulation rate in <i>Drosophila prolongata</i> females. <i>Animal Behaviour</i> , 2020 , 166, 51-59 | 2.8 | 5 |
| 12 | In vitro analysis of DIMBOA catabolism in the Asian corn borer <i>Ostrinia furnacalis</i> (Lepidoptera: Crambidae). <i>Applied Entomology and Zoology</i> , 2018 , 53, 223-227 | 1.5 | 4 |
| 11 | Identification of odorant-binding protein genes expressed in the antennae and the legs of the onion fly, <i>Delia antiqua</i> (Diptera: Anthomyiidae). <i>Applied Entomology and Zoology</i> , 2014 , 49, 89-95 | 1.5 | 4 |
| 10 | piggyBac- and phiC31 integrase-mediated transgenesis in <i>Drosophila prolongata</i> . <i>Genes and Genetic Systems</i> , 2018 , 92, 277-285 | 1.4 | 4 |
| 9 | Comprehensive identification of odorant-binding protein genes in the seed fly, <i>Delia platura</i> (Diptera: Anthomyiidae). <i>Applied Entomology and Zoology</i> , 2015 , 50, 457-463 | 1.5 | 4 |
| 8 | Comparative sequence analysis of a gene-dense region among closely related species of <i>Drosophila melanogaster</i> . <i>Genes and Genetic Systems</i> , 2004 , 79, 351-9 | 1.4 | 4 |
| 7 | Sexually biased expression of odorant-binding proteins and chemosensory proteins in Asian corn borer <i>Ostrinia furnacalis</i> (Lepidoptera: Crambidae). <i>Applied Entomology and Zoology</i> , 2016 , 51, 373-383 | 1.5 | 3 |
| 6 | Shaping of <i>Drosophila</i> male courtship posture by a gustatory pheromone. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1170, 497-501 | 6.5 | 3 |

- 5 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, 191-5 2
- 4 Intra- Versus Inter-Sexual Selection on Sexually Dimorphic Traits in. *Zoological Science*, **2020**, 37, 210-216.8 2
- 3 Genetic Bases of Oxidative Stress Resistance and Life Span in *Drosophila*. *Journal of Clinical Biochemistry and Nutrition*, **2004**, 34, 77-83 3.1 2
- 2 A courtship behavior that makes monandrous females polyandrous. *Evolution; International Journal of Organic Evolution*, **2020**, 74, 2483-2493 3.8 2
- 1 Automated Behavior Analysis Using a YOLO-Based Object Detection System. *Neuromethods*, **2022**, 257-275 0