

# Takashi Matsuo

## List of Publications by Year in Descending Order

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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	Automated Behavior Analysis Using a YOLO-Based Object Detection System. <i>Neuromethods</i> , <b>2022</b> , 257-275	27.5	0
57	Food availability reverses the effect of hunger state on copulation rate in <i>Drosophila prolongata</i> females. <i>Animal Behaviour</i> , <b>2020</b> , 166, 51-59	2.8	5
56	Intra- Versus Inter-Sexual Selection on Sexually Dimorphic Traits in. <i>Zoological Science</i> , <b>2020</b> , 37, 210-216	0.8	2
55	A courtship behavior that makes monandrous females polyandrous. <i>Evolution; International Journal of Organic Evolution</i> , <b>2020</b> , 74, 2483-2493	3.8	2
54	In vitro analysis of DIMBOA catabolism in the Asian corn borer <i>Ostrinia furnacalis</i> (Lepidoptera: Crambidae). <i>Applied Entomology and Zoology</i> , <b>2018</b> , 53, 223-227	1.5	4
53	Effect of social condition on behavioral development during early adult phase in. <i>Journal of Ethology</i> , <b>2018</b> , 36, 15-22	1.1	6
52	The adaptive role of a species-specific courtship behaviour in coping with remating suppression of mated females. <i>Animal Behaviour</i> , <b>2018</b> , 140, 29-37	2.8	7
51	Conservation and lineage-specific rearrangements in the GOBP/PBP gene complex of distantly related ditrysian Lepidoptera. <i>PLoS ONE</i> , <b>2018</b> , 13, e0192762	3.7	6
50	piggyBac- and phiC31 integrase-mediated transgenesis in <i>Drosophila prolongata</i> . <i>Genes and Genetic Systems</i> , <b>2018</b> , 92, 277-285	1.4	4
49	Comparative analysis of the brain transcriptome in a hyper-aggressive fruit fly, <i>Drosophila prolongata</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2017</b> , 82, 11-20	4.5	16
48	Inheritance Pattern of Female Receptivity in <i>Drosophila prolongata</i> . <i>Zoological Science</i> , <b>2016</b> , 33, 455-460	0.8	6
47	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> , <b>2016</b> , 51, 373-383	1.5	3
46	Targeted mutagenesis of an odorant receptor co-receptor using TALEN in <i>Ostrinia furnacalis</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2016</b> , 70, 53-9	4.5	25
45	Comparison of the ability to catabolize DIMBOA, a maize antibiotic, between <i>Ostrinia furnacalis</i> and <i>Ostrinia scapularis</i> (Lepidoptera: Crambidae), with reference to their hybrids. <i>Applied Entomology and Zoology</i> , <b>2016</b> , 51, 143-149	1.5	6
44	Intraspecific variation in heat tolerance of <i>Drosophila prolongata</i> (Diptera: Drosophilidae). <i>Applied Entomology and Zoology</i> , <b>2016</b> , 51, 515-520	1.5	9
43	A short, high-temperature treatment of host larvae to analyze Wolbachia-host interactions in the moth <i>Ostrinia scapularis</i> . <i>Journal of Insect Physiology</i> , <b>2015</b> , 81, 48-51	2.4	8
42	Multiple $\Delta 1$ -desaturase genes selectively used for sex pheromone biosynthesis are conserved in <i>Ostrinia</i> moth genomes. <i>Insect Biochemistry and Molecular Biology</i> , <b>2015</b> , 61, 62-8	4.5	10

41	Variation in morphological and behavioral traits among isofemale strains of <i>Drosophila prolongata</i> (Diptera: Drosophilidae). <i>Entomological Science</i> , <b>2015</b> , 18, 221-229	1.1	16
40	Social context-dependent modification of courtship behaviour in <i>Drosophila prolongata</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 282, 20151377	4.4	19
39	Comprehensive identification of odorant-binding protein genes in the seed fly, <i>Delia platura</i> (Diptera: Anthomyiidae). <i>Applied Entomology and Zoology</i> , <b>2015</b> , 50, 457-463	1.5	4
38	Identification of candidate odorant receptors in Asian corn borer <i>Ostrinia furnacalis</i> . <i>PLoS ONE</i> , <b>2015</b> , 10, e0121261	3.7	35
37	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> , <b>2014</b> , 49, 89-95	1.5	4
36	Sexual dimorphism and courtship behavior in <i>Drosophila prolongata</i> . <i>Journal of Ethology</i> , <b>2014</b> , 32, 91-102	2.1	27
35	Cloning, phylogeny, and expression analysis of the Broad-Complex gene in the longicorn beetle <i>Psacotheta hilaris</i> . <i>SpringerPlus</i> , <b>2014</b> , 3, 539		7
34	Functional evolution of duplicated odorant-binding protein genes, Obp57d and Obp57e, in <i>Drosophila</i> . <i>PLoS ONE</i> , <b>2012</b> , 7, e29710	3.7	26
33	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> , <b>2012</b> , 47, 137-142	1.5	9
32	Conserved cis-regulatory elements of two odorant-binding protein genes, Obp57d and Obp57e, in <i>Drosophila</i> . <i>Genes and Genetic Systems</i> , <b>2012</b> , 87, 323-9	1.4	6
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> , <b>2011</b> , 38, 1787-92	2.8	16
30	Calcineurin and its regulator sra/DSCR1 are essential for sleep in <i>Drosophila</i> . <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 12759-66	6.6	38
29	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> , <b>2011</b> , 108, 15276-81	11.5	35
28	Evolution of expression patterns of two odorant-binding protein genes, Obp57d and Obp57e, in <i>Drosophila</i> . <i>Gene</i> , <b>2010</b> , 467, 25-34	3.8	25
27	The shaping of male courtship posture by lateralized gustatory inputs to male-specific interneurons. <i>Current Biology</i> , <b>2010</b> , 20, 1-8	6.3	270
26	Insulin-degrading enzyme antagonizes insulin-dependent tissue growth and Abeta-induced neurotoxicity in <i>Drosophila</i> . <i>FEBS Letters</i> , <b>2010</b> , 584, 2916-20	3.8	21
25	Loss of Trx-2 enhances oxidative stress-dependent phenotypes in <i>Drosophila</i> . <i>FEBS Letters</i> , <b>2010</b> , 584, 3398-401	3.8	30
24	Overexpression of grappa encoding a histone methyltransferase enhances stress resistance in <i>Drosophila</i> . <i>Hereditas</i> , <b>2009</b> , 146, 19-28	2.4	9

23	Shaping of <i>Drosophila</i> male courtship posture by a gustatory pheromone. <i>Annals of the New York Academy of Sciences</i> , <b>2009</b> , 1170, 497-501	6.5	3
22	Genes for host-plant selection in <i>Drosophila</i> . <i>Journal of Neurogenetics</i> , <b>2008</b> , 22, 195-210	1.6	21
21	Rapid evolution of two odorant-binding protein genes, <i>Obp57d</i> and <i>Obp57e</i> , in the <i>Drosophila melanogaster</i> species group. <i>Genetics</i> , <b>2008</b> , 178, 1061-72	4	19
20	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> , <b>2008</b> , 83, 257-64	1.4	31
19	Odorant-binding proteins <i>OBP57d</i> and <i>OBP57e</i> affect taste perception and host-plant preference in <i>Drosophila sechellia</i> . <i>PLoS Biology</i> , <b>2007</b> , 5, e118	9.7	287
18	Thioredoxin suppresses Parkin-associated endothelin receptor-like receptor-induced neurotoxicity and extends longevity in <i>Drosophila</i> . <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 11180-7	5.4	33
17	The calcineurin regulator <i>sra</i> plays an essential role in female meiosis in <i>Drosophila</i> . <i>Current Biology</i> , <b>2006</b> , 16, 1435-40	6.3	55
16	In vivo hyaluronan synthesis upon expression of the mammalian hyaluronan synthase gene in <i>Drosophila</i> . <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 18920-5	5.4	18
15	Expression level of <i>sarah</i> , a homolog of <i>DSCR1</i> , is critical for ovulation and female courtship behavior in <i>Drosophila melanogaster</i> . <i>Genetics</i> , <b>2004</b> , 168, 2077-87	4	18
14	Comparative sequence analysis of a gene-dense region among closely related species of <i>Drosophila melanogaster</i> . <i>Genes and Genetic Systems</i> , <b>2004</b> , 79, 351-9	1.4	4
13	Genetic Bases of Oxidative Stress Resistance and Life Span in <i>Drosophila</i> . <i>Journal of Clinical Biochemistry and Nutrition</i> , <b>2004</b> , 34, 77-83	3.1	2
12	Efficient measurement of H <sub>2</sub> O <sub>2</sub> resistance in <i>Drosophila</i> using an activity monitor. <i>Biogerontology</i> , <b>2003</b> , 4, 157-65	4.5	9
11	<i>Drosophila lola</i> encodes a family of BTB-transcription regulators with highly variable C-terminal domains containing zinc finger motifs. <i>Gene</i> , <b>2003</b> , 311, 59-69	3.8	28
10	Dally regulates Dpp morphogen gradient formation in the <i>Drosophila</i> wing. <i>Development (Cambridge)</i> , <b>2003</b> , 130, 1515-22	6.6	185
9	Longevity determination genes in <i>Drosophila melanogaster</i> . <i>Mechanisms of Ageing and Development</i> , <b>2002</b> , 123, 1531-41	5.6	51
8	Application of the gene search system to screen for longevity genes in <i>Drosophila</i> . <i>Biogerontology</i> , <b>2001</b> , 2, 209-17	4.5	56
7	Neural-specific overexpression of <i>Drosophila</i> plenty of SH3s ( <i>DPOSH</i> ) extends the longevity of adult flies. <i>Biogerontology</i> , <b>2001</b> , 2, 271-81	4.5	25
6	The gene search system: its application to functional genomics in <i>Drosophila melanogaster</i> . <i>Journal of Neurogenetics</i> , <b>2001</b> , 15, 169-78	1.6	16

5	Protective role of uric acid against photooxidative stress in the silkworm, <i>Bombyx mori</i> (Lepidoptera : Bombycidae). <i>Applied Entomology and Zoology</i> , <b>1999</b> , 34, 481-484	1.5	14
4	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> , <b>1999</b> , 298, 397-404	4.2	6
3	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> , <b>1998</b> , 78, 97-111	1.7	88
2	Limitation of dietary copper and zinc decreases superoxide dismutase activity in the onion fly, <i>Delia antiqua</i> . <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , <b>1997</b> , 117, 191-5		2
1	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> , <b>1996</b> , 205, 215-224		13