Yoshinori Tomoyasu

List of Publications by Year
in descending order

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43 papers	4,590 citations	279487 23 h-index	276539 41 g-index
60 all docs	60 docs citations	60 times ranked	4589 citing authors

#	Article	IF	Citations
1	Butterfly eyespots evolved via cooption of an ancestral gene-regulatory network that also patterns antennae, legs, and wings. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	39
2	Broad complex and wing development in cockroaches. Insect Biochemistry and Molecular Biology, 2022, 147, 103798.	1.2	5
3	Tergal and pleural wingâ€related tissues in the German cockroach and their implication to the evolutionary origin of insect wings. Evolution & Development, 2021, 23, 100-116.	1.1	8
4	What crustaceans can tell us about the evolution of insect wings and other morphologically novel structures. Current Opinion in Genetics and Development, 2021, 69, 48-55.	1.5	12
5	Breaking bad in the rice field by breaking the Hox code. National Science Review, 2020, 7, 1616-1616.	4.6	0
6	Two sets of candidate crustacean wing homologues and their implication for the origin of insect wings. Nature Ecology and Evolution, 2020, 4, 1694-1702.	3.4	28
7	How to study enhancers in non-traditional insect models. Journal of Experimental Biology, 2020, 223, .	0.8	5
8	RNA Interference in Aquatic Beetles as a Powerful Tool for Manipulating Gene Expression at Specific Developmental Time Points. Journal of Visualized Experiments, 2020, , .	0.2	4
9	Sculpting new structures. ELife, 2020, 9, .	2.8	0
10	Evoâ€“Devo: The Double Identity of Insect Wings. Current Biology, 2018, 28, R75-R77.	1.8	8
11	Dual evolutionary origin of insect wings supported by an investigation of the abdominal wing serial homologs in Tribolium. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E658-E667.	3.3	42
12	Enhancer identification and activity evaluation in the red flour beetle, Tribolium castaneum. Development (Cambridge), 2018, 145, .	1.2	39
13	Detailed analysis of the prothoracic tissues transforming into wings in the Cephalothorax mutants of the Tribolium beetle. Arthropod Structure and Development, 2018, 47, 352-361.	0.8	6
14	Editorial overview: Development and regulation: The diverse traits that have facilitated the successful radiation of insects. Current Opinion in Insect Science, 2017, 19, vi-ix.	2.2	1
15	Ultrabithorax and the evolution of insect forewing/hindwing differentiation. Current Opinion in Insect Science, 2017, 19, 8-15.	2.2	40
16	What serial homologs can tell us about the origin of insect wings. F1000Research, 2017, 6, 268.	0.8	22
17	Neofunctionalization of embryonic head patterning genes facilitates the positioning of novel traits on the dorsal head of adult beetles. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160824.	1.2	17
18	Functional value of elytra under various stresses in the red flour beetle, Tribolium castaneum. Scientific Reports, 2016, 6, 34813.	1.6	42

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19	Comparative developmental analysis of Drosophila and Tribolium reveals conserved and diverged roles of abrupt in insect wing evolution. Developmental Biology, 2016, 409, 518-529.	0.9	15
20	Exploring the origin of insect wings from an evo-devo perspective. Current Opinion in Insect Science, 2016, 13, 77-85.	2.2	51
21	RNAi screening of developmental toolkit genes: a search for novel wing genes in the red flour beetle, Tribolium castaneum. Development Genes and Evolution, 2015, 225, 11-22.	0.4	18
22	Larval RNA Interference in the Red Flour Beetle, Tribolium castaneum. Journal of Visualized Experiments, 2014, , e52059.	0.2	11
23	Establishing an In Vivo Assay System to Identify Components Involved in Environmental RNA Interference in the Western Corn Rootworm. PLoS ONE, 2014, 9, e101661.	1.1	72
24	Insights into insect wing origin provided by functional analysis of vestigial in the red flour beetle, Tribolium castaneum. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16951-16956.	3.3	97
25	Dissecting Systemic RNA Interference in the Red Flour Beetle Tribolium castaneum: Parameters Affecting the Efficiency of RNAi. PLoS ONE, 2012, 7, e47431.	1.1	174
26	Oenocyte development in the red flour beetle Tribolium castaneum. Development Genes and Evolution, 2012, 222, 77-88.	0.4	10
27	Gene Knockdown Analysis by Double-Stranded RNA Injection. Methods in Molecular Biology, 2012, 772, 471-497.	0.4	24
28	Genome sequences of the human body louse and its primary endosymbiont provide insights into the permanent parasitic lifestyle. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12168-12173.	3.3	482
29	Identification, mRNA expression and functional analysis of several yellow family genes in Tribolium castaneum. Insect Biochemistry and Molecular Biology, 2010, 40, 259-266.	1.2	72
30	Repeated Co-options of Exoskeleton Formation during Wing-to-Elytron Evolution in Beetles. Current Biology, 2009, 19, 2057-2065.	1.8	122
31	Development of a wingless morph in the ladybird beetle, Adalia bipunctata. Evolution & Development, 2009, 11, 278-289.	1.1	11
32	Concurrent In Situ Hybridization and Antibody Staining in Red Flour Beetle (Tribolium) Embryos. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5257.	0.2	18
33	Do teashirt family genes specify trunk identity? Insights from the single tiptop/teashirt homolog of Tribolium castaneum. Development Genes and Evolution, 2008, 218, 141-152.	0.4	22
34	Larval RNAi in Drosophila?. Development Genes and Evolution, 2008, 218, 505-510.	0.4	112
35	The genome of the model beetle and pest Tribolium castaneum. Nature, 2008, 452, 949-955.	13.7	1,255
36	Exploring systemic RNA interference in insects: a genome-wide survey for RNAi genes in Tribolium. Genome Biology, 2008, 9, R10.	13.9	459

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37	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.	1.0	289
38	Ultrabithorax is required for membranous wing identity in the beetle Tribolium castaneum. Nature, 2005, 433, 643-647.	13.7	187
39	Larval RNAi in Tribolium (Coleoptera) for analyzing adult development. Development Genes and Evolution, 2004, 214, 575-578.	0.4	348
40	The Decapentaplegic morphogen gradient regulates the notal wingless expression through induction of pannier and u-shaped in Drosophila. Mechanisms of Development, 2000, 96, 37-49.	1.7	32
41	Identification and characterization of E-APC, a novel Drosophila homologue of the tumour suppressor APC. Genes To Cells, 1999, 4, 465-474.	0.5	30
42	Negative Regulation of Wingless Signaling by D-Axin, a Drosophila Homolog of Axin. Science, 1999, 283, 1739-1742.	6.0	190
43	p38 Mitogen-Activated Protein Kinase Can Be Involved in Transforming Growth Factor Î² Superfamily Signal Transduction in Drosophila Wing Morphogenesis. Molecular and Cellular Biology, 1999, 19, 2322-2329.	1.1	157