

Ryo Futahashi

List of Publications by Year in descending order

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63
papers

3,753
citations

172207

29
h-index

138251

58
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67
all docs

67
docs citations

67
times ranked

3511
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular mechanisms underlying metamorphosis in the most-ancestral winged insect. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	14
2	Diversity of melanin synthesis genes in insects. Advances in Insect Physiology, 2022, , 339-376.	1.1	3
3	Effectiveness of orally-delivered double-stranded RNA on gene silencing in the stinkbug <i>Plautia stali</i> . PLoS ONE, 2021, 16, e0245081.	1.1	9
4	Electroporation-mediated RNA Interference Method in Odonata. Journal of Visualized Experiments, 2021, , .	0.2	4
5	Comprehensive comparative morphology and developmental staging of final instar larvae toward metamorphosis in the insect order Odonata. Scientific Reports, 2021, 11, 5164.	1.6	2
6	The effect of the <i>doublesex</i> gene in body colour masculinization of the damselfly <i>Ischnura senegalensis</i> . Biology Letters, 2021, 17, 20200761.	1.0	13
7	Intraspecific nucleotide polymorphisms in seven complete sequences of mitochondrial DNA of the luminous ostracod, <i>Vargula hilgendorffii</i> (Crustacea, Ostracoda). Gene Reports, 2021, 23, 101074.	0.4	2
8	The genus <i>Planaeschna</i> McLachlan, 1895 and its subgroupings in Vietnam, with descriptions of three new species (Odonata: Aeshnidae). Zootaxa, 2021, 5027, 1-35.	0.2	3
9	Pigmentation and color pattern diversity in Odonata. Current Opinion in Genetics and Development, 2021, 69, 14-20.	1.5	15
10	Wolbachia-driven selective sweep in a range expanding insect species. BMC Ecology and Evolution, 2021, 21, 181.	0.7	9
11	Mutations in a β -group of solute carrier gene are responsible for egg and eye coloration of the brown egg 4 (b-4) mutant in the silkworm, <i>Bombyx mori</i> . Insect Biochemistry and Molecular Biology, 2021, 137, 103624.	1.2	4
12	Pigments in Insects. , 2021, , 3-43.		17
13	Interspecific crossing between blue-tailed damselflies <i>Ischnura elegans</i> and <i>I. senegalensis</i> in the laboratory. Entomological Science, 2020, 23, 165-172.	0.3	9
14	Diversity of UV Reflection Patterns in Odonata. Frontiers in Ecology and Evolution, 2020, 8, .	1.1	8
15	Diversity and function of multicopper oxidase genes in the stinkbug <i>Plautia stali</i> . Scientific Reports, 2020, 10, 3464.	1.6	13
16	Luciferase gene of a Caribbean fireworm (Syllidae) from Puerto Rico. Scientific Reports, 2019, 9, 13015.	1.6	11
17	Discovery of a third species of the genus <i>Noguchiphaea</i> Asahina, 1976 " <i>Noguchiphaea laotica</i> sp. n. from Laos (Odonata: Calopterygidae). International Journal of Odonatology, 2019, 22, 59-71.	0.5	0
18	Functional crosstalk across IMD and Toll pathways: insight into the evolution of incomplete immune cascades. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182207.	1.2	78

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19	Comparative cytology, physiology and transcriptomics of <i>Burkholderia insecticola</i> in symbiosis with the bean bug <i>Riptortus pedestris</i> and in culture. <i>ISME Journal</i> , 2019, 13, 1469-1483.	4.4	53
20	Molecular basis of wax-based color change and UV reflection in dragonflies. <i>ELife</i> , 2019, 8, .	2.8	15
21	Novel gene encoding a unique luciferase from the fireworm <i>Odontsyllis undecimdongata</i> . <i>Scientific Reports</i> , 2018, 8, 12789.	1.6	16
22	Electroporation-mediated RNA interference reveals a role of the multicopper oxidase 2 gene in dragonfly cuticular pigmentation. <i>Applied Entomology and Zoology</i> , 2017, 52, 379-387.	0.6	22
23	Gut symbiotic bacteria stimulate insect growth and egg production by modulating hexamerin and vitellogenin gene expression. <i>Developmental and Comparative Immunology</i> , 2017, 69, 12-22.	1.0	97
24	A Novel, Extremely Elongated, and Endocellular Bacterial Symbiont Supports Cuticle Formation of a Grain Pest Beetle. <i>MBio</i> , 2017, 8, .	1.8	34
25	Laboratory Rearing System for <i>Ischnura senegalensis</i> (Insecta: Odonata) Enables Detailed Description of Larval Development and Morphogenesis in Dragonfly. <i>Zoological Science</i> , 2017, 34, 386.	0.3	11
26	Small genome symbiont underlies cuticle hardness in beetles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8382-E8391.	3.3	127
27	Molecular Mechanisms Underlying Color Vision and Color Formation in Dragonflies. , 2017, , 303-321.		13
28	Tibetan Firefly Luciferase with Low Temperature Adaptation. <i>Photochemistry and Photobiology</i> , 2017, 93, 466-472.	1.3	7
29	Editorial overview: Molecular physiology: molecular basis of insect colors and patterns. <i>Current Opinion in Insect Science</i> , 2016, 17, vi-viii.	2.2	2
30	Odonata (dragonflies and damselflies) as a bridge between ecology and evolutionary genomics. <i>Frontiers in Zoology</i> , 2016, 13, 46.	0.9	75
31	Color vision and color formation in dragonflies. <i>Current Opinion in Insect Science</i> , 2016, 17, 32-39.	2.2	39
32	Positional cloning of a <i>Bombyx</i> pink-eyed white egg locus reveals the major role of cardinal in ommochrome synthesis. <i>Heredity</i> , 2016, 116, 135-145.	1.2	50
33	Molecular bases underlying the diversity of color pattern and color vision in dragonflies. , 2016, , .		0
34	Extraordinary diversity of visual opsin genes in dragonflies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1247-56.	3.3	151
35	Molting-associated suppression of symbiont population and up-regulation of antimicrobial activity in the midgut symbiotic organ of the <i>Riptortus</i> - <i>Burkholderia</i> symbiosis. <i>Developmental and Comparative Immunology</i> , 2014, 43, 10-14.	1.0	53
36	Cloning and Characterization of Luciferase from a Fijian Luminous Click Beetle. <i>Photochemistry and Photobiology</i> , 2013, 89, 1163-1169.	1.3	11

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37	Large Scale Full-Length cDNA Sequencing Reveals a Unique Genomic Landscape in a Lepidopteran Model Insect, <i>Bombyx mori</i> . <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 1481-1492.	0.8	87
38	Gene Expression in Gut Symbiotic Organ of Stinkbug Affected by Extracellular Bacterial Symbiont. <i>PLoS ONE</i> , 2013, 8, e64557.	1.1	61
39	A visible dominant marker for insect transgenesis. <i>Nature Communications</i> , 2012, 3, 1295.	5.8	57
40	Redox alters yellow dragonflies into red. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12626-12631.	3.3	71
41	Comparative transcriptomics of the bacteriome and the spermatheca of the bedbug <i>Cimex lectularius</i> (Hemiptera: Cimicidae). <i>Applied Entomology and Zoology</i> , 2012, 47, 233-243.	0.6	12
42	Comprehensive microarray-based analysis for stage-specific larval camouflage pattern-associated genes in the swallowtail butterfly, <i>Papilio xuthus</i> . <i>BMC Biology</i> , 2012, 10, 46.	1.7	56
43	Whole-Mount In Situ Hybridization of Sectioned Tissues of Species Hybrids to Detect Cis-regulatory Changes in Gene Expression Pattern. <i>Methods in Molecular Biology</i> , 2012, 772, 319-328.	0.4	3
44	Laccase2 is required for cuticular pigmentation in stinkbugs. <i>Insect Biochemistry and Molecular Biology</i> , 2011, 41, 191-196.	1.2	82
45	RNA interference in Lepidoptera: An overview of successful and unsuccessful studies and implications for experimental design. <i>Journal of Insect Physiology</i> , 2011, 57, 231-245.	0.9	729
46	Caterpillar color patterns are determined by a two-phase melanin gene prepatterning process: new evidence from <i>tan</i> and <i>laccase2</i> . <i>Evolution & Development</i> , 2010, 12, 157-167.	1.1	94
47	Species-specific coordinated gene expression and <i>trans</i> -regulation of larval color pattern in three swallowtail butterflies. <i>Evolution & Development</i> , 2010, 12, 305-314.	1.1	41
48	Repression of tyrosine hydroxylase is responsible for the sex-linked chocolate mutation of the silkworm, <i>Bombyx mori</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12980-12985.	3.3	96
49	Identification of stage-specific larval camouflage associated genes in the swallowtail butterfly, <i>Papilio xuthus</i> . <i>Development Genes and Evolution</i> , 2008, 218, 491-504.	0.4	31
50	<i>yellow</i> and <i>ebony</i> Are the Responsible Genes for the Larval Color Mutants of the Silkworm <i>Bombyx mori</i> . <i>Genetics</i> , 2008, 180, 1995-2005.	1.2	126
51	Positional Cloning of a <i>Bombyx</i> Wingless Locus <i>fluggellos</i> (<i>fl</i>) Reveals a Crucial Role for <i>fringe</i> That Is Specific for Wing Morphogenesis. <i>Genetics</i> , 2008, 179, 875-885.	1.2	31
52	Catalogue of epidermal genes: Genes expressed in the epidermis during larval molt of the silkworm <i>Bombyx mori</i> . <i>BMC Genomics</i> , 2008, 9, 396.	1.2	40
53	Genome-wide identification of cuticular protein genes in the silkworm, <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 1138-1146.	1.2	163
54	The genome of a lepidopteran model insect, the silkworm <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 1036-1045.	1.2	592

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55	Juvenile Hormone Regulates Butterfly Larval Pattern Switches. <i>Science</i> , 2008, 319, 1061-1061.	6.0	68
56	A novel target-specific gene delivery system combining baculovirus and sequence-specific long interspersed nuclear elements. <i>Virus Research</i> , 2007, 127, 49-60.	1.1	10
57	Regulation of 20-hydroxyecdysone on the larval pigmentation and the expression of melanin synthesis enzymes and yellow gene of the swallowtail butterfly, <i>Papilio xuthus</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2007, 37, 855-864.	1.2	58
58	Modulation of the ecdysteroid-induced cell death by juvenile hormone during pupal wing development of Lepidoptera. <i>Archives of Insect Biochemistry and Physiology</i> , 2007, 65, 152-163.	0.6	13
59	Identification and characterization of the telomerase reverse transcriptase of <i>Bombyx mori</i> (silkworm) and <i>Tribolium castaneum</i> (flour beetle). <i>Gene</i> , 2006, 376, 281-289.	1.0	68
60	Expression of one isoform of GTP cyclohydrolase I coincides with the larval black markings of the swallowtail butterfly, <i>Papilio xuthus</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2006, 36, 63-70.	1.2	32
61	Melanin-synthesis enzymes coregulate stage-specific larval cuticular markings in the swallowtail butterfly, <i>Papilio xuthus</i> . <i>Development Genes and Evolution</i> , 2005, 215, 519-529.	0.4	114
62	Disturbed Population Genetics: Suspected Introgressive Hybridization between Two <i>Mnais</i> Damselfly Species (Odonata). <i>Zoological Science</i> , 2005, 22, 869-881.	0.3	25
63	Title is missing!. <i>Kagaku To Seibutsu</i> , 2003, 41, 461-463.	0.0	0