

Haruhiko Fujiwara

List of Publications by Year in descending order

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90
papers

6,027
citations

87723

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74018

75
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91
all docs

91
docs citations

91
times ranked

4974
citing authors

#	ARTICLE	IF	CITATIONS
1	The genome of the model beetle and pest <i>Tribolium castaneum</i> . <i>Nature</i> , 2008, 452, 949-955.	13.7	1,255
2	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
3	A genetic mechanism for female-limited Batesian mimicry in <i>Papilio</i> butterfly. <i>Nature Genetics</i> , 2015, 47, 405-409.	9.4	215
4	Structural basis for telomerase catalytic subunit TERT binding to RNA template and telomeric DNA. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 513-518.	3.6	182
5	Cloning of an ecdysone receptor homolog from <i>Manduca sexta</i> and the developmental profile of its mRNA in Wings. <i>Insect Biochemistry and Molecular Biology</i> , 1995, 25, 845-856.	1.2	170
6	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
7	<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
8	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
9	Genome-wide screening and characterization of transposable elements and their distribution analysis in the silkworm, <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 1046-1057.	1.2	113
10	Identification of a Pentanucleotide Telomeric Sequence, (TTAGG) _n , in the Silkworm <i>Bombyx mori</i> and in Other Insects. <i>Molecular and Cellular Biology</i> , 1993, 13, 1424-1432.	1.1	111
11	Structural Analysis of TRAS1, a Novel Family of Telomeric Repeat-Associated Retrotransposons in the Silkworm, <i>Bombyx mori</i> . <i>Molecular and Cellular Biology</i> , 1995, 15, 4545-4552.	1.1	107
12	Tissue-Specific and Stage-Specific Expression of Two Silkworm Ecdysone Receptor Isoforms. Ecdysteroid-Dependent Transcription in Cultured Anterior Silk Glands. <i>FEBS Journal</i> , 1997, 248, 786-793.	0.2	98
13	A New Family of Site-Specific Retrotransposons, SART1, Is Inserted into Telomeric Repeats of the Silkworm, <i>Bombyx Mori</i> . <i>Nucleic Acids Research</i> , 1997, 25, 1578-1584.	6.5	95
14	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
15	Telomere-specific non-LTR retrotransposons and telomere maintenance in the silkworm, <i>Bombyx mori</i> . <i>Chromosome Research</i> , 2005, 13, 455-467.	1.0	91
16	Cross-Genome Screening of Novel Sequence-Specific Non-LTR Retrotransposons: Various Multicopy RNA Genes and Microsatellites Are Selected as Targets. <i>Molecular Biology and Evolution</i> , 2003, 21, 207-217.	3.5	82
17	Linkage map of random amplified polymorphic DNAs (RAPDs) in the silkworm, <i>Bombyx mori</i> . <i>Genetical Research</i> , 1995, 66, 1-7.	0.3	78
18	Long-Term Inheritance of the 28S rDNA-Specific Retrotransposon R2. <i>Molecular Biology and Evolution</i> , 2005, 22, 2157-2165.	3.5	73

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19	Electroporation-mediated somatic transgenesis for rapid functional analysis in insects. <i>Development</i> (Cambridge), 2013, 140, 454-458.	1.2	73
20	Detection and distribution patterns of telomerase activity in insects. <i>FEBS Journal</i> , 2000, 267, 3025-3031.	0.2	72
21	Molecular mechanism of introduction of the hidden break into the 28S rRNA of insects: implication based on structural studies. <i>Nucleic Acids Research</i> , 1986, 14, 6393-6401.	6.5	71
22	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
23	Juvenile Hormone Regulates Butterfly Larval Pattern Switches. <i>Science</i> , 2008, 319, 1061-1061.	6.0	68
24	siRNAs Induce Efficient RNAi Response in <i>Bombyx mori</i> Embryos. <i>PLoS ONE</i> , 2011, 6, e25469.	1.1	67
25	Transplantation of target site specificity by swapping the endonuclease domains of two LINEs. <i>EMBO Journal</i> , 2002, 21, 408-417.	3.5	63
26	Evolution of Target Specificity in R1 Clade Non-LTR Retrotransposons. <i>Molecular Biology and Evolution</i> , 2003, 20, 351-361.	3.5	58
27	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
28	Expression of ecdysteroid-regulated genes is reduced specifically in the wing discs of the wing-deficient mutant (fl) of <i>Bombyx mori</i> . <i>Development Genes and Evolution</i> , 2000, 210, 120-128.	0.4	56
29	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
30	Introns and their flanking sequences of <i>Bombyx mori</i> rDNA. <i>Nucleic Acids Research</i> , 1984, 12, 6861-6869.	6.5	53
31	Sequence-Specific Recognition and Cleavage of Telomeric Repeat (TTAGG) _n by Endonuclease of Non-Long Terminal Repeat Retrotransposon TRAS1. <i>Molecular and Cellular Biology</i> , 2001, 21, 100-108.	1.1	53
32	Mechanical Control of Whole Body Shape by a Single Cuticular Protein Obstructor-E in <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2017, 13, e1006548.	1.5	53
33	Periodic Wnt1 expression in response to ecdysteroid generates twin-spot markings on caterpillars. <i>Nature Communications</i> , 2013, 4, 1857.	5.8	52
34	Parallel evolution of Batesian mimicry supergene in two <i>Papilio</i> butterflies, <i>P. polytes</i> and <i>P. memnon</i> . <i>Science Advances</i> , 2018, 4, eaao5416.	4.7	48
35	Structural and Phylogenetic Analysis of TRAS, Telomeric Repeat-Specific Non-LTR Retrotransposon Families in Lepidopteran Insects. <i>Molecular Biology and Evolution</i> , 2001, 18, 848-857.	3.5	46
36	Molecular basis of wing coloration in a Batesian mimic butterfly, <i>Papilio polytes</i> . <i>Scientific Reports</i> , 2013, 3, 3184.	1.6	44

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37	Identification of rDNA-Specific Non-LTR Retrotransposons in Cnidaria. <i>Molecular Biology and Evolution</i> , 2006, 23, 1984-1993.	3.5	43
38	Essential Motifs in the 3' Untranslated Region Required for Retrotransposition and the Precise Start of Reverse Transcription in Non-Long-Terminal-Repeat Retrotransposon SART1. <i>Molecular and Cellular Biology</i> , 2004, 24, 7902-7913.	1.1	41
39	Species-specific coordinated gene expression and trans-regulation of larval color pattern in three swallowtail butterflies. <i>Evolution & Development</i> , 2010, 12, 305-314.	1.1	41
40	The transcription factor Apontic-like controls diverse colouration pattern in caterpillars. <i>Nature Communications</i> , 2014, 5, 4936.	5.8	41
41	Toll ligand Spätzle3 controls melanization in the stripe pattern formation in caterpillars. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8336-8341.	3.3	40
42	Ecdysteroid-dependent expression of a novel cuticle protein gene BMCPG1 in the silkworm, <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2002, 32, 599-607.	1.2	36
43	Transcription analysis of the telomeric repeat-specific retrotransposons TRAS1 and SART1 of the silkworm <i>Bombyx mori</i> . <i>Nucleic Acids Research</i> , 1999, 27, 2015-2021.	6.5	35
44	An extraordinary retrotransposon family encoding dual endonucleases. <i>Genome Research</i> , 2005, 15, 1106-1117.	2.4	34
45	Eukaryotic Translational Coupling in UAAUG Stop-Start Codons for the Bicistronic RNA Translation of the Non-Long Terminal Repeat Retrotransposon SART1. <i>Molecular and Cellular Biology</i> , 2005, 25, 7675-7686.	1.1	33
46	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
47	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
48	Positional Cloning of a <i>Bombyx</i> Wingless Locus <i>fringe</i> (<i>fringe</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
49	Functional analysis of genes involved in color pattern formation in Lepidoptera. <i>Current Opinion in Insect Science</i> , 2016, 17, 16-23.	2.2	29
50	Structure of the <i>Bombyx mori</i> rDNA: initiation site for its transcription. <i>Nucleic Acids Research</i> , 1987, 15, 1245-1258.	6.5	26
51	Targeted Nuclear Import of Open Reading Frame 1 Protein Is Required for In Vivo Retrotransposition of a Telomere-Specific Non-Long Terminal Repeat Retrotransposon, SART1. <i>Molecular and Cellular Biology</i> , 2004, 24, 105-122.	1.1	26
52	Essential Domains for Ribonucleoprotein Complex Formation Required for Retrotransposition of Telomere-Specific Non-Long Terminal Repeat Retrotransposon SART1. <i>Molecular and Cellular Biology</i> , 2006, 26, 5168-5179.	1.1	26
53	Nucleolus organizers in the wild silkworm <i>Bombyx mandarina</i> and the domesticated silkworm <i>B. mori</i> . <i>Chromosoma</i> , 1988, 96, 263-269.	1.0	25
54	Functional roles of 3'-terminal structures of template RNA during in vivo retrotransposition of non-LTR retrotransposon, R1Bm. <i>Nucleic Acids Research</i> , 2005, 33, 1993-2002.	6.5	25

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55	Identification of doublesex alleles associated with the female-limited Batesian mimicry polymorphism in <i>Papilio memnon</i> . <i>Scientific Reports</i> , 2016, 6, 34782.	1.6	25
56	What causes the aphid 28S rRNA to lack the hidden break?. <i>Journal of Molecular Evolution</i> , 1990, 30, 509-513.	0.8	23
57	The mimetic wing pattern of <i>Papilio polytes</i> butterflies is regulated by a doublesex-orchestrated gene network. <i>Communications Biology</i> , 2019, 2, 257.	2.0	23
58	Chromosomal fragment responsible for genetic mosaicism in larval body marking of the silkworm, <i>Bombyx mori</i> . <i>Genetical Research</i> , 1991, 57, 11-16.	0.3	22
59	Coevolution of Telomeric Repeats and Telomeric Repeatâ€“Specific Non-LTR Retrotransposons in Insects. <i>Molecular Biology and Evolution</i> , 2011, 28, 2983-2986.	3.5	22
60	Prepatterning of <i>Papilio xuthus</i> caterpillar camouflage is controlled by three homeobox genes: <i>clawless</i> , <i>abdominal-A</i> , and <i>Abdominal-B</i> . <i>Science Advances</i> , 2019, 5, eaav7569.	4.7	22
61	Crystal Structure of the Endonuclease Domain Encoded by the Telomere-specific Long Interspersed Nuclear Element, TRAS1. <i>Journal of Biological Chemistry</i> , 2004, 279, 41067-41076.	1.6	21
62	Stability and Telomere Structure of Chromosomal Fragments in Two Different Mosaic Strains of the Silkworm, <i>Bombyx mori</i> . <i>Zoological Science</i> , 2000, 17, 743-750.	0.3	19
63	Identification and characterization of genes abnormally expressed in wing-deficient mutant (<i>fl^{1/4}gellos</i>) of the silkworm, <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2002, 32, 691-699.	1.2	19
64	Primary and secondary structures of Tetrahymena and aphid 5.8S rRNAs: Structural features of 5.8S rRNA which interacts with the 28S rRNA containing the hidden break. <i>Nucleic Acids Research</i> , 1982, 10, 5173-5182.	6.5	18
65	Characterization of the sequence specificity of the R1Bm endonuclease domain by structural and biochemical studies. <i>Nucleic Acids Research</i> , 2007, 35, 3918-3927.	6.5	18
66	In vivo gene transfer into the honeybee using a nucleopolyhedrovirus vector. <i>Biochemical and Biophysical Research Communications</i> , 2007, 352, 335-340.	1.0	18
67	Developmental profiles of wing imaginal discs of <i>fl^{1/4}gellos</i> (<i>fl</i>), a wingless mutant of the silkworm, <i>Bombyx mori</i> . <i>Development Genes and Evolution</i> , 1997, 207, 12-18.	0.4	17
68	Primary and secondary structure of 5.8S rRNA from the silkworm <i>Bombyx mori</i> . <i>Nucleic Acids Research</i> , 1982, 10, 2415-2418.	6.5	16
69	EcR expression in the prothoracicotropic hormone-producing neurosecretory cells of the <i>Bombyx mori</i> brain.. <i>FEBS Journal</i> , 2006, 273, 3861-3868.	2.2	15
70	Genetic switch in UV response of mimicry-related pale-yellow colors in Batesian mimic butterfly, <i>Papilio polytes</i> . <i>Science Advances</i> , 2021, 7, .	4.7	15
71	Immunoblotting detection of gamma-catenin (plakoglobin) antibody in the serum of a patient with paraneoplastic pemphigus. <i>British Journal of Dermatology</i> , 2001, 144, 377-379.	1.4	14
72	The Wide Distribution and Change of Target Specificity of R2 Non-LTR Retrotransposons in Animals. <i>PLoS ONE</i> , 2016, 11, e0163496.	1.1	14

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73	Female-specific wing degeneration is triggered by ecdysteroid in cultures of wing discs from the bagworm moth, <i>Eumeta variegata</i> (Insecta: Lepidoptera, Psychidae). <i>Cell and Tissue Research</i> , 2008, 333, 169-173.	1.5	13
74	Two Adjacent cis-Regulatory Elements Are Required for Ecdysone Response of Ecdysone Receptor (EcR) B1 Transcription. <i>PLoS ONE</i> , 2012, 7, e49348.	1.1	12
75	Complex and Tandem Repeat Structure of Subtelomeric Regions in the Taiwan Cricket, <i>Teleogryllus taiwanemma</i> . <i>Journal of Molecular Evolution</i> , 2002, 54, 474-485.	0.8	11
76	Characterization of core promoter elements for ecdysone receptor isoforms of the silkworm, <i>Bombyx mori</i> . <i>Insect Molecular Biology</i> , 2007, 16, 253-264.	1.0	11
77	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
78	Dramatic changes in patterning gene expression during metamorphosis are associated with the formation of a feather-like antenna by the silk moth, <i>Bombyx mori</i> . <i>Developmental Biology</i> , 2011, 357, 53-63.	0.9	10
79	Molecular Mechanisms Underlying Pupal Protective Color Switch in <i>Papilio polytes</i> Butterflies. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	10
80	Reciprocal transplantation of wing discs between a wing deficient mutant (fl) and wild type of the silkworm, <i>Bombyx mori</i> . <i>Development Growth and Differentiation</i> , 1997, 39, 599-606.	0.6	8
81	Genomic architecture and functional unit of mimicry supergene in female limited Batesian mimic <i>Papilio</i> butterflies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, .	1.8	8
82	Mosaic formation by developmental loss of a chromosomal fragment in a ?mottled striped? mosaic strain of the silkworm, <i>Bombyx mori</i> . <i>Roux's Archives of Developmental Biology</i> , 1994, 203, 389-396.	1.2	7
83	Notch and Delta Control the Switch and Formation of Camouflage Patterns in Caterpillars. <i>IScience</i> , 2020, 23, 101315.	1.9	7
84	Batesian mimicry has evolved with deleterious effects of the pleiotropic gene doublesex. <i>Scientific Reports</i> , 2020, 10, 21333.	1.6	5
85	Essential factors involved in the precise targeting and insertion of telomere-specific non-LTR retrotransposon, SART1Bm. <i>Scientific Reports</i> , 2020, 10, 8963.	1.6	5
86	The pivotal role of aristaless in development and evolution of diverse antennal morphologies in moths and butterflies. <i>BMC Evolutionary Biology</i> , 2018, 18, 8.	3.2	4
87	doublesex Controls Both Hindwing and Abdominal Mimicry Traits in the Female-Limited Batesian Mimicry of <i>Papilio memnon</i> . <i>Frontiers in Insect Science</i> , 0, 2, .	0.9	4
88	Identification of two juvenile hormone inducible transcription factors from the silkworm, <i>Bombyx mori</i> . <i>Journal of Insect Physiology</i> , 2015, 80, 31-41.	0.9	3
89	Development of a cell-based assay for ecdysteroid quantification using an early ecdysteroid-inducible gene promoter. <i>Applied Entomology and Zoology</i> , 2014, 49, 443-452.	0.6	2
90	RFLP analysis of chromosomal fragments in genetic mosaic strains of <i>Bombyx mori</i> . <i>Chromosoma</i> , 1994, 103, 468-474.	1.0	2