Toru Shimada

List of Publications by Year
in descending order

212 papers	9,229 citations	47 h-index	84 g-index
		47006	54911
214 all docs	214 docs citations	214 times ranked	5617 citing authors

#	Article	IF	Citations
1	The Genome Sequence of Silkworm, Bombyx mori. DNA Research, 2004, 11, 27-35.	3.4	594
2	The genome of a lepidopteran model insect, the silkworm Bombyx mori. Insect Biochemistry and Molecular Biology, 2008, 38, 1036-1045.	2.7	592
3	THE GENETICS AND GENOMICS OF THE SILKWORM, BOMBYX MORI. Annual Review of Entomology, 2005, 50, 71-100.	11.8	432
4	A single female-specific piRNA is the primary determiner of sex in the silkworm. Nature, 2014, 509, 633-636.	27.8	407
5	The construction of an EST database for Bombyx mori and its application. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14121-14126.	7.1	245
6	High-quality genome assembly of the silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2019, 107, 53-62.	2.7	201
7	Non-molting glossy/shroud encodes a short-chain dehydrogenase/reductase that functions in the â€˜Black Boxâ€™ of the ecdysteroid biosynthesis pathway. Development (Cambridge), 2010, 137, 1991-1999.	2.5	163
8	A baculovirus-encoded protein tyrosine phosphatase gene induces enhanced locomotory activity in a lepidopteran host. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2584-2589.	7.1	142
9	Inhibition of Tumor Angiogenesis and Growth by a Small-Molecule Multi-FGF Receptor Blocker with Allosteric Properties. Cancer Cell, 2013, 23, 477-488.	16.8	138
10	Precocious Metamorphosis in the Juvenile Hormoneâ€“Deficient Mutant of the Silkworm, Bombyx mori. PLoS Genetics, 2012, 8, e1002486.	3.5	135
11	A homologue of the Drosophila doublesex gene is transcribed into sex-specific mRNA isoforms in the silkworm, Bombyx mori. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2001, 128, 145-158.	1.6	129
12	yellow and ebony Are the Responsible Genes for the Larval Color Mutants of the Silkworm Bombyx mori. Genetics, 2008, 180, 1995-2005.	2.9	126
13	The Bombyx ovary-derived cell line endogenously expresses PIWI/PIWI-interacting RNA complexes. Rna, 2009, 15, 1258-1264.	3.5	124
14	Analysis of the biological functions of a doublesex homologue in Bombyx mori. Development Genes and Evolution, 2003, 213, 345-354.	0.9	120
15	The mechanism of sex-specific splicing at the doublesex gene is different between Drosophila melanogaster and Bombyx mori. Insect Biochemistry and Molecular Biology, 2001, 31, 1201-1211.	2.7	113
16	ERK- and JNK-Dependent Signaling Pathways Contribute to Bombyx mori Nucleopolyhedrovirus Infection. Journal of Virology, 2007, 81, 13700-13709.	3.4	109
17	Simple sequence repeat-based consensus linkage map of Bombyx mori. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16303-16308.	7.1	108
18	Î²-Fructofuranosidase Genes of the Silkworm, Bombyx mori. Journal of Biological Chemistry, 2008, 283, 15271-15279.	3.4	104

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19	Role of the male BmDSX protein in the sexual differentiation of Bombyx mori. Evolution & Development, 2005, 7, 58-68.	2.0	102
20	The silkworm Green b locus encodes a quercetin 5- O -glucosyltransferase that produces green cocoons with UV-shielding properties. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11471-11476.	7.1	100
21	Alanine Scanning Mutagenesis of the Switch I Region in the ATPase Site ofDictyostelium discoideumMyosin IIâ€. Biochemistry, 1997, 36, 14037-14043.	2.5	90
22	Large Scale Full-Length cDNA Sequencing Reveals a Unique Genomic Landscape in a Lepidopteran Model Insect, Bombyx mori. G3: Genes, Genomes, Genetics, 2013, 3, 1481-1492.	1.8	87
23	A Bombyx mori gene, BmChi-h, encodes a protein homologous to bacterial and baculovirus chitinases. Insect Biochemistry and Molecular Biology, 2003, 33, 749-759.	2.7	83
24	Retrotransposable elements on the W chromosome of the silkworm, <i>Bombyx mori</i>. Cytogenetic and Genome Research, 2005, 110, 144-151.	1.1	83
25	Linkage map of random amplified polymorphic DNAs (RAPDs) in the silkworm,Bombyx mori. Genetical Research, 1995, 66, 1-7.	0.9	78
26	The Baculovirus Uses a Captured Host Phosphatase to Induce Enhanced Locomotory Activity in Host Caterpillars. PLoS Pathogens, 2012, 8, e1002644.	4.7	78
27	Deletion of a gene encoding an amino acid transporter in the midgut membrane causes resistance to a Bombyx parvo-like virus. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7523-7527.	7.1	77
28	Vitellogenin Receptor Mutation Leads to the Oogenesis Mutant Phenotype â€œscanty vitellinâ€•of the Silkworm, Bombyx mori. Journal of Biological Chemistry, 2013, 288, 13345-13355.	3.4	76
29	Novel Macula-Like Virus Identified in Bombyx mori Cultured Cells. Journal of Virology, 2005, 79, 5577-5584.	3.4	75
30	The Endosymbiotic Bacterium Wolbachia Selectively Kills Male Hosts by Targeting the Masculinizing Gene. PLoS Pathogens, 2015, 11, e1005048.	4.7	73
31	Establishment of a Novel In Vivo Sex-Specific Splicing Assay System To Identify a trans-Acting Factor That Negatively Regulates Splicing of Bombyx mori dsx Female Exons. Molecular and Cellular Biology, 2008, 28, 333-343.	2.3	71
32	Genomic sequence of a 320-kb segment of the Z chromosome of Bombyx mori containing a kettin ortholog. Molecular Genetics and Genomics, 2003, 269, 137-149.	2.1	70
33	W-derived BAC probes as a new tool for identification of the W chromosome and its aberrations in Bombyx mori. Chromosoma, 2003, 112, 48-55.	2.2	67
34	Expression profiling of baculovirus genes in permissive and nonpermissive cell lines. Biochemical and Biophysical Research Communications, 2004, 323, 599-614.	2.1	67
35	Zygotic amplification of secondary piRNAs during silkworm embryogenesis. Rna, 2011, 17, 1401-1407.	3.5	65
36	PCR-based detection of Wolbachia, cytoplasmic incompatibility microorganisms, infected in natural populations of Laodelphax striatellus (Homoptera: Delphacidae) in central Japan: has the distribution of Wolbachia spread recently?. Insect Molecular Biology, 1995, 4, 237-243.	2.0	64

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37	Identification of molting fluid carboxypeptidase A (MF-CPA) in Bombyx mori. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2005, 141, 314-322.	1.6	63
38	Sex determination in the silkworm, Bombyx mori: A female determinant on the W chromosome and the sex-determining gene cascade. Seminars in Cell and Developmental Biology, 2007, 18, 379-388.	5.0	62
39	Positional cloning of silkworm white egg 2 (w-2) locus shows functional conservation and diversification of ABC transporters for pigmentation in insects. Genes To Cells, 2011, 16, 331-342.	1.2	62
40	The BmChi-h gene, a bacterial-type chitinase gene of Bombyx mori, encodes a functional exochitinase that plays a role in the chitin degradation during the molting process. Insect Biochemistry and Molecular Biology, 2005, 35, 1112-1123.	2.7	59
41	Developmentally synchronized expression of two Bombyx mori Piwi subfamily genes, SIWI and BmAGO3 in germ-line cells. Biochemical and Biophysical Research Communications, 2008, 367, 755-760.	2.1	59
42	Functional analysis of fourGloverin-like genes in the silkworm,Bombyx mori. Archives of Insect Biochemistry and Physiology, 2008, 67, 87-96.	1.5	55
43	cDNA cloning of acyl-CoA desaturase homologs in the silkworm, Bombyx mori. Gene, 2000, 246, 339-345.	2.2	53
44	Mutation of a novel ABC transporter gene is responsible for the failure to incorporate uric acid in the epidermis of ok mutants of the silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2013, 43, 562-571.	2.7	51
45	Isolation and comparison of different ecdysone-responsive cuticle protein genes in wing discs of Bombyx mori. Insect Biochemistry and Molecular Biology, 2003, 33, 671-679.	2.7	50
46	In vivo and in vitro analyses of a Bombyx mori nucleopolyhedrovirus mutant lacking functional vfgf. Virology, 2006, 355, 62-70.	2.4	50
47	The silkworm W chromosome is a source of female-enriched piRNAs. Rna, 2011, 17, 2144-2151.	3.5	50
48	A role for transcription from a piRNA cluster in de novo piRNA production. Rna, 2012, 18, 265-273.	3.5	50
49	Characterization of the kynurenine 3-monooxygenase gene corresponding to the white egg 1 mutant in the silkworm Bombyx mori. Molecular Genetics and Genomics, 2002, 267, 1-9.	2.1	49
50	Transgenic analysis of the BmBLOS2 gene that governs the translucency of the larval integument of the silkworm, Bombyx mori. Insect Molecular Biology, 2010, 19, 659-667.	2.0	49
51	Identification of novel random amplified polymorphic DNAs (RAPDs) on the W chromosome of the domesticated silkworm, Bombyx mori, and the wild silkworm, B. mandarina, and their retrotransposable elementrelated nucleotide sequences.. Genes and Genetic Systems, 1998, 73, 243-254.	0.7	48
52	Lepidopteran Ortholog of Drosophila Breathless Is a Receptor for the Baculovirus Fibroblast Growth Factor. Journal of Virology, 2006, 80, 5474-5481.	3.4	48
53	The Silkworm Mutant lemon (lemon lethal) Is a Potential Insect Model for Human Sepiapterin Reductase Deficiency. Journal of Biological Chemistry, 2009, 284, 11698-11705.	3.4	48
54	Factors affecting the microclimate pH in rat jejunum.. Journal of Physiology, 1987, 392, 113-127.	2.9	47

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55	Bm kettin, homologue of the Drosophila kettin gene, is located on the Z chromosome in Bombyx mori and is not dosage compensated. Heredity, 1999, 82, 170-179.	2.6	47
56	Characterization of acyl-CoA-binding protein (ACBP) in the pheromone gland of the silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2001, 31, 603-609.	2.7	47
57	Yellow-e Determines the Color Pattern of Larval Head and Tail Spots of the Silkworm Bombyx mori. Journal of Biological Chemistry, 2010, 285, 5624-5629.	3.4	47
58	Molecular structure of a novel gypsy-Ty3-like retrotransposon (Kabuki) and nested retrotransposable elements on the W chromosome of the silkworm Bombyx mori. Molecular Genetics and Genomics, 2000, 263, 916-924.	2.4	46
59	Glycine-rich protein genes, which encode a major component of the cuticle, have different developmental profiles from other cuticle protein genes in Bombyx mori. Insect Biochemistry and Molecular Biology, 2006, 36, 99-110.	2.7	46
60	Absence of dosage compensation at the transcription level of a sex-linked gene in a female heterogametic insect, Bombyx mori. Heredity, 1998, 81, 275-283.	2.6	43
61	Role of the ubiquitin-proteasome system in Bombyx mori nucleopolyhedrovirus infection. Journal of General Virology, 2011, 92, 699-705.	2.9	43
62	Phylogenetic Relationship of Silkmoths Inferred from Sequence Data of the Arylphorin Gene. Molecular Phylogenetics and Evolution, 1995, 4, 223-234.	2.7	42
63	A silkwormâ€“baculovirus model for assessing the therapeutic effects of antiviral compounds: characterization and application to the isolation of antivirals from traditional medicines. Journal of General Virology, 2008, 89, 188-194.	2.9	42
64	The Silkworm-An Attractive BioResource Supplied by Japan. Experimental Animals, 2010, 59, 139-146.	1.1	42
65	Identification of Key Uric Acid Synthesis Pathway in a Unique Mutant Silkworm Bombyx mori Model of Parkinsonâ€™s Disease. PLoS ONE, 2013, 8, e69130.	2.5	42
66	Mass isolation of cuticle protein cDNAs from wing discs of Bombyx mori and their characterizations. Insect Biochemistry and Molecular Biology, 2001, 31, 1019-1028.	2.7	41
67	Identification of the female-determining region of the W chromosome in Bombyx mori. Genetica, 2008, 133, 269-282.	1.1	41
68	Bombyx small RNAs: Genomic defense system against transposons in the silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2008, 38, 1058-1065.	2.7	41
69	Sex pheromone desaturase functioning in a primitive Ostrinia moth is cryptically conserved in congenersâ€™ genomes. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7102-7106.	7.1	41
70	Characterization of the Baculovirus Bombyx Mori Nucleopolyhedrovirus Gene Homologous to the Mammalian FGF Gene Family. Virus Genes, 2004, 29, 211-217.	1.6	40
71	Genome-wide survey for baculoviral host homologs using the Bombyx genome sequence. Insect Biochemistry and Molecular Biology, 2008, 38, 1080-1086.	2.7	40
72	Isolation and expression of the ecdysteroid-inducible angiotensin-converting enzyme-related gene in wing discs of Bombyx mori. Insect Biochemistry and Molecular Biology, 2001, 31, 97-103.	2.7	38

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73	Two novel Pao-like retrotransposons (Kamikaze and Yamato) from the silkworm species Bombyx mori and B. mandarina: common structural features of Pao-like elements. Molecular Genetics and Genomics, 2001, 265, 375-385.	2.1	38
74	WildSilkbase: An EST database of wild silkmoths. BMC Genomics, 2008, 9, 338.	2.8	38
75	Identification and characterisation of a silkworm ABC transporter gene homologous to Drosophila white. Molecular Genetics and Genomics, 2000, 264, 11-19.	2.4	36
76	Annotation pattern of ESTs from Spodoptera frugiperda Sf9 cells and analysis of the ribosomal protein genes reveal insect-specific features and unexpectedly low codon usage bias. Bioinformatics, 2003, 19, 2343-2350.	4.1	36
77	Identification and functional analysis of a Masculinizer orthologue in Trilocha varians (Lepidoptera: Bombycidae). Insect Molecular Biology, 2015, 24, 561-569.	2.0	35
78	Na+-dependent elevation of the acidic cell surface pH (microclimate pH) of rat jejunal villus cells induced by cyclic nucleotides and phorbol ester: possible mediators of the regulation of the Na+/H+ antiporter. Biochimica Et Biophysica Acta - Biomembranes, 1988, 937, 328-334.	2.6	34
79	Microarray analysis of gene expression profiles in wing discs of Bombyx mori during pupal ecdysis. Insect Biochemistry and Molecular Biology, 2004, 34, 775-784.	2.7	34
80	Mapping of sex-linked genes onto the genome sequence using various aberrations of the Z chromosome in Bombyx mori. Insect Biochemistry and Molecular Biology, 2008, 38, 1072-1079.	2.7	33
81	Baculovirus-Encoded Protein BV/ODV-E26 Determines Tissue Tropism and Virulence in Lepidopteran Insects. Journal of Virology, 2012, 86, 2545-2555.	3.4	33
82	Abnormal red body coloration of the silkworm, Bombyx mori, is caused by a mutation in a novel kynureninase. Genes To Cells, 2009, 14, 129-140.	1.2	31
83	Albino (al) is a tetrahydrobiopterin (BH4)-deficient mutant of the silkworm Bombyx mori. Insect Biochemistry and Molecular Biology, 2013, 43, 594-600.	2.7	31
84	A complete full-length non-LTR retrotransposon, BMC1, on the W chromosome of the silkworm, Bombyx mori.. Genes and Genetic Systems, 1998, 73, 353-358.	0.7	30
85	Mutational analysis of active site residues of chitinase from Bombyx mori nucleopolyhedrovirus. Virus Research, 2007, 124, 168-175.	2.2	30
86	Sex-linked transcription factor involved in a shift of sex-pheromone preference in the silkmoth Bombyx mori. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18038-18043.	7.1	30
87	Linkage analysis of the gene encoding precursor protein of diapause hormone and pheromone biosynthesis-activating neuropeptide in the silkmoth, Bombyx mori. Genetical Research, 1995, 65, 105-111.	0.9	29
88	SilkSatDb: a microsatellite database of the silkworm, Bombyx mori. Nucleic Acids Research, 2004, 33, D403-D406.	14.5	29
89	Partial deletions of the W chromosome due to reciprocal translocation in the silkworm Bombyx mori. Insect Molecular Biology, 2005, 14, 339-352.	2.0	29
90	The comprehensive epigenome map of piRNA clusters. Nucleic Acids Research, 2013, 41, 1581-1590.	14.5	29

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91	Two Conserved Cysteine Residues Are Required for the Masculinizing Activity of the Silkworm Masc Protein. Journal of Biological Chemistry, 2015, 290, 26114-26124.	3.4	29
92	A homolog of the human Hermanskyâ€“Pudluck syndrome-5 (HPS5) gene is responsible for the oa larval translucent mutants in the silkworm, Bombyx mori. Genetica, 2012, 140, 463-468.	1.1	28
93	Duplication and diversification of trehalase confers evolutionary advantages on lepidopteran insects. Molecular Ecology, 2019, 28, 5282-5298.	3.9	28
94	Comparative Expressed-Sequence-Tag Analysis of Differential Gene Expression Profiles in BmNPV-Infected BmN Cells. Virology, 2001, 282, 348-356.	2.4	27
95	Comparative studies of Bombyx mori nucleopolyhedrovirus chitinase and its host ortholog, BmChi-h. Biochemical and Biophysical Research Communications, 2006, 345, 825-833.	2.1	27
96	Comparative Studies of Lepidopteran Baculovirus-Specific Protein FP25K: Development of a Novel Bombyx mori Nucleopolyhedrovirus-Based Vector with a Modified fp25K Gene. Journal of Virology, 2010, 84, 5191-5200.	3.4	27
97	The Chitinase Gene of the Silkworm, Bombyx mori, Contains a Novel Tc-like Transposable Element. Journal of Biological Chemistry, 2000, 275, 37725-37732.	3.4	26
98	Identification of differentially expressed host genes in Bombyx mori nucleopolyhedrovirus infected cells by using subtractive hybridization. Applied Entomology and Zoology, 2007, 42, 151-159.	1.2	26
99	Reinvestigation of the Sex Pheromone of the Wild Silkmoth Bombyx mandarina: The Effects of Bombykal and Bombykyl Acetate. Journal of Chemical Ecology, 2012, 38, 1031-1035.	1.8	26
100	Cloning of Cyc (Bmal1) homolog in Bombyx mori: structural analysis and tissue specific distributions. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2003, 134, 535-542.	1.6	25
101	Molecular structure of the copia-like retrotransposable element Yokozuna on the W chromosome of the silkworm, Bombyx mori.. Genes and Genetic Systems, 1998, 73, 345-352.	0.7	24
102	A 25bp-long insertional mutation in the BmVarp gene causes the waxy translucent skin of the silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2009, 39, 287-293.	2.7	24
103	Nested retrotransposons on the W chromosome of the wild silkworm Bombyx mandarina. Insect Molecular Biology, 2002, 11, 307-314.	2.0	23
104	Infection study of Bombyx mori macula-like virus (BmMLV) using a BmMLV-negative cell line and an infectious cDNA clone. Journal of Virological Methods, 2012, 179, 316-324.	2.1	23
105	Flavonoids from the cocoon of Rondotia menciana. Phytochemistry, 2013, 94, 108-112.	2.9	23
106	Silkworms suppress the release of green leaf volatiles by mulberry leaves with an enzyme from their spinnerets. Scientific Reports, 2018, 8, 11942.	3.3	23
107	Molecular characterization of baculovirus Bombyx mori nucleopolyhedrovirus polyhedron mutants. Archives of Virology, 1999, 144, 1275-1285.	2.1	22
108	Diapause-associated transcription of BmEts, a gene encoding an ETS transcription factor homolog in Bombyx mori. Insect Biochemistry and Molecular Biology, 1999, 29, 339-347.	2.7	22

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109	Isolation and expression of an ecdysteroid-inducible neutral endopeptidase 24.11-like gene in wing discs of Bombyx mori. Insect Biochemistry and Molecular Biology, 2001, 31, 1213-1219.	2.7	22
110	Change in the expressed gene patterns of the wing disc during the metamorphosis of Bombyx mori. Gene, 2004, 343, 133-142.	2.2	22
111	Identification of Bombyx mori 14-3-3 orthologs and the interactor Hsp60. Neuroscience Research, 2008, 61, 271-280.	1.9	22
112	Mutations in an amino acid transporter gene are responsible for sex-linked translucent larval skin of the silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2011, 41, 680-687.	2.7	22
113	Diversity in Copy Number and Structure of a Silkworm Morphogenetic Gene as a Result of Domestication. Genetics, 2011, 187, 965-976.	2.9	21
114	Antennal lobe organization and pheromone usage in bombycid moths. Biology Letters, 2014, 10, 20140096.	2.3	21
115	InÂvivo masculinizing function of the Ostrinia furnacalis Masculinizer gene. Biochemical and Biophysical Research Communications, 2018, 503, 1768-1772.	2.1	21
116	Two CCCH-type zinc finger domains in the Masc protein are dispensable for masculinization and dosage compensation in Bombyx mori. Insect Biochemistry and Molecular Biology, 2019, 104, 30-38.	2.7	21
117	N-linked glycans of Bombyx mori nucleopolyhedrovirus fibroblast growth factor are crucial for its secretion. Biochemical and Biophysical Research Communications, 2006, 350, 1069-1075.	2.1	20
118	Role of the silkworm argonaute2 homolog gene in double-strand break repair of extrachromosomal DNA. Nucleic Acids Research, 2006, 34, 1092-1101.	14.5	19
119	Mass identification of transcriptional units expressed from the Bombyx mori nucleopolyhedrovirus genome. Journal of General Virology, 2011, 92, 200-203.	2.9	19
120	Effects of Depletion of T Cell Subpopulations on the Course of Infection and Anti-Parasite Delayed Type Hypersensitivity Response in Mice Infected with Babesia microti and Babesia rodhaini.. Journal of Veterinary Medical Science, 1996, 58, 343-347.	0.9	18
121	N-linked glycans located in the pro-region of Bombyx mori nucleopolyhedrovirus V-CATH are essential for the proper folding of V-CATH and V-CHIA. Journal of General Virology, 2009, 90, 170-176.	2.9	18
122	Bombyx mori nucleopolyhedrovirus ORF34 is required for efficient transcription of late and very late genes. Virology, 2009, 392, 230-237.	2.4	18
123	Reduced expression of the dysbindin-like gene in the Bombyx mori ov mutant exhibiting mottled translucency of the larval skin. Genome, 2013, 56, 101-108.	2.0	18
124	Mapping and recombination analysis of two moth colour mutations, Black moth and Wild wing spot, in the silkworm Bombyx mori. Heredity, 2016, 116, 52-59.	2.6	18
125	Bm-muted , orthologous to mouse muted and encoding a subunit of the BLOC-1 complex, is responsible for the otm translucent mutation of the silkworm Bombyx mori. Gene, 2017, 629, 92-100.	2.2	18
126	Rescue of white egg 1 mutant by introduction of the wild-type Bombyx kynurenine 3?monooxygenase gene. Insect Science, 2007, 14, 85-92.	3.0	17

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127	Hormonal control of vitellogenin mRNA levels in the male and female housefly, Musca domestica. Journal of Insect Physiology, 1991, 37, 383-390.	2.0	16
128	Identification and genetic mapping of RAPD markers linked to the densonucleosis refractoriness gene, nsd-2, in the silkworm, Bombyx mori.. Genes and Genetic Systems, 2000, 75, 93-96.	0.7	16
129	Functional characterization of Bombyx mori nucleopolyhedrovirus CG30 protein. Virus Research, 2013, 174, 52-59.	2.2	16
130	Anatomical and functional analysis of domestication effects on the olfactory system of the silkmoth Bombyx mori. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132582.	2.6	16
131	Identification of the silkworm quail gene reveals a crucial role of a receptor guanylyl cyclase in larval pigmentation. Insect Biochemistry and Molecular Biology, 2016, 68, 33-40.	2.7	16
132	SAGE analysis of early oogenesis in the silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2007, 37, 147-154.	2.7	15
133	The fibroblast growth factor homolog of Bombyx mori nucleopolyhedrovirus enhances systemic virus propagation in B. mori larvae. Virus Research, 2008, 137, 80-85.	2.2	15
134	Bombyx mori nucleopolyhedrovirus BM5 protein regulates progeny virus production and viral gene expression. Virology, 2016, 498, 240-249.	2.4	15
135	Bombyx ortholog of the Drosophila eye color gene brown controls riboflavin transport in Malpighian tubules. Insect Biochemistry and Molecular Biology, 2018, 92, 65-72.	2.7	15
136	Genetic- mapping of RAPD markers linked to the densonucleosis refractoriness gene, nsd-1, in the silkworm, Bombyx mori.. Genes and Genetic Systems, 1998, 73, 237-242.	0.7	14
137	Molecular and functional characterization of an acetyl-CoA acetyltransferase from the adzuki bean borer moth Ostrinia scapulalis (Lepidoptera: Crambidae). Insect Biochemistry and Molecular Biology, 2010, 40, 74-78.	2.7	14
138	Positional cloning of a gene responsible for the cts mutation of the silkworm, Bombyx mori. Genome, 2012, 55, 493-504.	2.0	14
139	Female sex pheromone and male behavioral responses of the bombycid moth Trilocha varians: comparison with those of the domesticated silkmoth Bombyx mori. Die Naturwissenschaften, 2012, 99, 207-215.	1.6	14
140	The BIR and BIR-like domains of Bombyx mori nucleopolyhedrovirus IAP2 protein are required for efficient viral propagation. Biochemical and Biophysical Research Communications, 2014, 454, 581-587.	2.1	14
141	The influence of triploidy on gene expression in the silkworm, Bombyx mori. Heredity, 1999, 82, 661-667.	2.6	13
142	Reduced cysteine protease activity of the hemolymph of Bombyx mori larvae infected with fp25K-inactivated Bombyx mori nucleopolyhedrovirus results in the reduced postmortem host degradation. Archives of Virology, 2004, 149, 1773-82.	2.1	13
143	Functional characterization of chitinase from Cydia pomonella granulovirus. Archives of Virology, 2007, 152, 1655-1664.	2.1	13
144	Recent transposition of yabusame, a novel piggyBac-like transposable element in the genome of the silkworm, Bombyx mori. Genome, 2010, 53, 585-593.	2.0	13

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145	A novel sucrose hydrolase from the bombycoid silkworms Bombyx mori, Trilocha varians, and Samia cynthia ricini with a substrate specificity for sucrose. Insect Biochemistry and Molecular Biology, 2015, 61, 46-52.	2.7	13
146	The killing speed of egt-inactivated Bombyx mori nucleopolyhedrovirus depends on the developmental stage of B. mori larvae. Journal of Invertebrate Pathology, 2015, 126, 64-70.	3.2	13
147	Silkworm HP1a transcriptionally enhances highly expressed euchromatic genes via association with their transcription start sites. Nucleic Acids Research, 2014, 42, 11462-11471.	14.5	12
148	Bombyx mori nucleopolyhedrovirus actin rearrangement-inducing factor 1 enhances systemic infection in B. mori larvae. Journal of General Virology, 2015, 96, 1938-1946.	2.9	12
149	A single amino acid substitution in the Bombyx-specific mucin-like membrane protein causes resistance to Bombyx mori densovirus. Scientific Reports, 2018, 8, 7430.	3.3	12
150	The genome sequence of Samia ricini , a new model species of lepidopteran insect. Molecular Ecology Resources, 2021, 21, 327-339.	4.8	12
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