

Ken Sahara

List of Publications by Year in descending order

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44
papers

1,742
citations

257450

24
h-index

289244

40
g-index

50
all docs

50
docs citations

50
times ranked

1428
citing authors

#	ARTICLE	IF	CITATIONS
1	TTAGG telomeric repeats in chromosomes of some insects and other arthropods. <i>Chromosome Research</i> , 1999, 7, 449-460.	2.2	234
2	Evolutionary dynamics of rDNA clusters on chromosomes of moths and butterflies (Lepidoptera). <i>Genetica</i> , 2010, 138, 343-354.	1.1	122
3	Neo-sex chromosomes and adaptive potential in tortricid pests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6931-6936.	7.1	104
4	Molecular differentiation of sex chromosomes probed by comparative genomic hybridization. <i>Chromosoma</i> , 1999, 108, 173-180.	2.2	97
5	Sex chromosome evolution in moths and butterflies. <i>Chromosome Research</i> , 2012, 20, 83-94.	2.2	93
6	The <i>Bombyx mori</i> Karyotype and the Assignment of Linkage Groups. <i>Genetics</i> , 2005, 170, 675-685.	2.9	75
7	W-derived BAC probes as a new tool for identification of the W chromosome and its aberrations in <i>Bombyx mori</i> . <i>Chromosoma</i> , 2003, 112, 48-55.	2.2	67
8	A Second-Generation Integrated Map of the Silkworm Reveals Synteny and Conserved Gene Order Between Lepidopteran Insects. <i>Genetics</i> , 2006, 173, 1319-1328.	2.9	65
9	Phylogeny of the sex-determining gene <i>Sex-lethal</i> in insects. <i>Genome</i> , 2006, 49, 254-262.	2.0	55
10	Meiotic pairing of sex chromosome fragments and its relation to atypical transmission of a sex-linked marker in <i>Ephestia kuehniella</i> (Insecta: Lepidoptera). <i>Heredity</i> , 2001, 87, 659-671.	2.6	53
11	Dynamic karyotype evolution and unique sex determination systems in <i>Leptidea wood white</i> butterflies. <i>BMC Evolutionary Biology</i> , 2015, 15, 89.	3.2	51
12	Fissions, fusions, and translocations shaped the karyotype and multiple sex chromosome constitution of the northeast-Asian wood white butterfly, <i>Leptidea amurensis</i> . <i>Biological Journal of the Linnean Society</i> , 2016, 118, 457-471.	1.6	49
13	Extensive Conserved Synteny of Genes between the Karyotypes of <i>Manduca sexta</i> and <i>Bombyx mori</i> Revealed by BAC-FISH Mapping. <i>PLoS ONE</i> , 2009, 4, e7465.	2.5	45
14	Dimorphic sperm formation by <i>Sex-lethal</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10412-10417.	7.1	44
15	Resolution of sex chromosome constitution by genomic in situ hybridization and fluorescence in situ hybridization with (TTAGG) n telomeric probe in some species of Lepidoptera. <i>Chromosoma</i> , 2005, 114, 193-202.	2.2	41
16	Moth sex chromatin probed by comparative genomic hybridization (CGH). <i>Genome</i> , 2003, 46, 339-342.	2.0	37
17	Molecular cloning and chromosomal localization of the <i>Bombyx Sex-lethal</i> gene. <i>Genome</i> , 2006, 49, 263-268.	2.0	37
18	Two clinal trends in male-male aggressiveness in a subsocial spider mite (<i>Schizotetranychus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	1.4	33

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19	Double copulation of a female with sterile diploid and polyploid males recovers fertility in <i>Bombyx mori</i> . <i>Zygote</i> , 2002, 10, 23-29.	1.1	33
20	FISH identification of <i>Helicoverpa armigera</i> and <i>Mamestra brassicae</i> chromosomes by BAC and fosmid probes. <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 644-653.	2.7	33
21	Feminizing <i>Wolbachia</i> endosymbiont disrupts maternal sex chromosome inheritance in a butterfly species. <i>Evolution Letters</i> , 2017, 1, 232-244.	3.3	33
22	Unique sex determination system in the silkworm, <i>Bombyx mori&/i>: current status and beyond. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2018, 94, 205-216.	3.8	31
23	Conserved synteny of genes between chromosome 15 of <i>Bombyx mori</i> and a chromosome of <i>Manduca sexta</i> shown by five-color BAC-FISH. <i>Genome</i> , 2007, 50, 1061-1065.	2.0	30
24	Application of artificial insemination technique to eupyrene and/or apyrene sperm in <i>Bombyx mori</i> . <i>The Journal of Experimental Zoology</i> , 2003, 297A, 196-200.	1.4	26
25	<i>Samia cynthia</i> versus <i>Bombyx mori</i> : Comparative gene mapping between a species with a low-number karyotype and the model species of Lepidoptera. <i>Insect Biochemistry and Molecular Biology</i> , 2011, 41, 370-377.	2.7	25
26	In vitro cultivation of spermatocysts to matured sperm in the silkworm <i>Bombyx mori</i> . <i>Development Growth and Differentiation</i> , 2002, 44, 273-280.	1.5	22
27	Roles of actin networks in peristaltic squeezing of sperm bundles in <i>Bombyx mori</i> . <i>Journal of Morphology</i> , 2004, 259, 1-6.	1.2	22
28	Reprobing Multicolor Fish Preparations in Lepidopteran Chromosome. <i>Zoological Science</i> , 2009, 26, 187-190.	0.7	21
29	Peristaltic squeezing of sperm bundles at the late stage of spermatogenesis in the silkworm, <i>Bombyx mori</i> . <i>Journal of Morphology</i> , 2000, 246, 53-58.	1.2	20
30	Molecular Phylogeny of <i>Stigmaeopsis</i> , With Special Reference to Speciation Through Host Plant Shift. <i>Annals of the Entomological Society of America</i> , 2009, 102, 360-366.	2.5	18
31	Rapid turnover of the W chromosome in geographical populations of wild silkmoths, <i>Samia cynthia</i> ssp.. <i>Chromosome Research</i> , 2013, 21, 149-164.	2.2	18
32	Differences in diapause attributes between two clinal forms distinguished by male-to-male aggression in a subsocial spider mite, <i>Schizotetranychus miscanthi</i> Saito. <i>Ecological Research</i> , 2002, 17, 645-653.	1.5	17
33	Significance of peristaltic squeezing of sperm bundles in the silkworm, <i>Bombyx mori</i> : elimination of irregular eupyrene sperm nuclei of the triploid. <i>Zygote</i> , 2001, 9, 159-166.	1.1	14
34	XX/XY System of Sex Determination in the Geophilomorph Centipede <i>Strigamia maritima</i> . <i>PLoS ONE</i> , 2016, 11, e0150292.	2.5	13
35	Isolation of BAC Clones Containing Conserved Genes from Libraries of Three Distantly Related Moths: A Useful Resource for Comparative Genomics of Lepidoptera. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-6.	3.0	9
36	Conservation and lineage-specific rearrangements in the GOBP/PBP gene complex of distantly related ditrysian Lepidoptera. <i>PLoS ONE</i> , 2018, 13, e0192762.	2.5	8

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37	Variation in nesting behavior of eight species of spider mites, <i>Stigmaeopsis</i> having sociality. <i>Die Naturwissenschaften</i> , 2016, 103, 87.	1.6	6
38	EST sequencing and fosmid library construction in a non-model moth, <i>Mamestra brassicae</i> , for comparative mapping. <i>Genome</i> , 2012, 55, 775-781.	2.0	5
39	Increase of Fertility in Tetraploid Male Silkworms by Starvation. <i>Hereditas</i> , 2004, 122, 119-123.	1.4	2
40	Preferential Pairing of Sex Chromosomes in the Tetraploid Silkworms (<i>Bombyx Mori</i>). <i>Hereditas</i> , 2004, 121, 73-78.	1.4	1
41	Evidence for a gene determining the size of polygonal patterns of the egg chorion in the silkworm. <i>Hereditas</i> , 1992, 117, 163-167.	1.4	1
42	Construction of a bacterial artificial chromosome library of <i>Endoclista excrescens</i> as a tool for comparative gene mapping in Lepidoptera. <i>Entomological Science</i> , 2019, 22, 167-172.	0.6	1
43	BAC selection of the large white butterfly, <i>Pieris brassicae</i> (Lepidoptera: Pieridae) containing orthologs of the silkworm, <i>Bombyx mori</i> (Lepidoptera: Bombycidae). <i>Applied Entomology and Zoology</i> , 2020, 55, 159-174.	1.2	1
44	Fertility restoration of cryopreserved semen by hyper ratio of apyrene sperm in <i>Bombyx mori</i> . <i>Applied Entomology and Zoology</i> , 2009, 44, 413-417.	1.2	0