Yoko Satta

List of Publications by Year in descending order

139 papers	6,551 citations	57631 44 h-index	74018 75 g-index
149 all docs	149 docs citations	149 times ranked	5900 citing authors

#	Article	IF	Citations
1	Detecting Genetic Ancestry and Adaptation in the Taiwanese Han People. Molecular Biology and Evolution, 2021, 38, 4149-4165.	3.5	12
2	Genetic Differentiation and Demographic Trajectory of the Insular Formosan and Oriiâ€™s Flying Foxes. Journal of Heredity, 2021, 112, 192-203.	1.0	1
3	Comparative genomics of Glandirana rugosa using unsupervised AI reveals a high CG frequency. Life Science Alliance, 2021, 4, e202000905.	1.3	8
4	Sex-specific phenotypic effects and evolutionary history of an ancient polymorphic deletion of the human growth hormone receptor. Science Advances, 2021, 7, eabi4476.	4.7	11
5	Lower promoter activity of the ST8SIA2 gene has been favored in evolving human collective brains. PLoS ONE, 2021, 16, e0259897.	1.1	0
6	In vitro resynthesis of lichenization reveals the genetic background of symbiosis-specific fungal-algal interaction in Usnea hakonensis. BMC Genomics, 2020, 21, 671.	1.2	27
7	Heterogeneity of synonymous substitution rates in the Xenopus frog genome. PLoS ONE, 2020, 15, e0236515.	1.1	1
8	Evolutionary History of the Risk of SNPs for Diffuse-Type Gastric Cancer in the Japanese Population. Genes, 2020, 11, 775.	1.0	2
9	Do Genes Associated with Dyslexia of Chinese Characters Evolve Neutrally?. Genes, 2020, 11, 658.	1.0	2
10	Development of a novel monoclonal antibody that binds to most HLA-A allomorphs in a conformation-dependent yet peptide-promiscuous fashion. Immunogenetics, 2020, 72, 143-153.	1.2	0
11	Expression Changes of MHC and Other Immune Genes in Frog Skin during Ontogeny. Animals, 2020, 10, 91.	1.0	4
12	Expression Changes of Structural Protein Genes May Be Related to Adaptive Skin Characteristics Specific to Humans. Genome Biology and Evolution, 2019, 11, 613-628.	1.1	8
13	Two-dimensional site frequency spectrum for detecting, classifying and dating incomplete selective sweeps. Genes and Genetic Systems, 2019, 94, 283-300.	0.2	8
14	A new inference method for detecting an ongoing selective sweep. Genes and Genetic Systems, 2018, 93, 149-161.	0.2	14
15	Functional Evolution of Avian RIG-I-Like Receptors. Genes, 2018, 9, 456.	1.0	14
16	Nonequilibrium Neutral Theory for Hitchhikers. Molecular Biology and Evolution, 2018, 35, 1362-1365.	3.5	3
17	Positive selection on schizophrenia-associated ST8SIA2 gene in post-glacial Asia. PLoS ONE, 2018, 13, e0200278.	1.1	12
18	The evolutionary process of mammalian sex determination genes focusing on marsupial SRYs. BMC Evolutionary Biology, 2018, 18, 3.	3.2	7

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19	Selective constraint acting on TLR2 and TLR4 genes of JapaneseRanafrogs. PeerJ, 2018, 6, e4842.	0.9	7
20	Characterization of TRPA channels in the starfish Patiria pectinifera: involvement of thermally activated TRPA1 in thermotaxis in marine planktonic larvae. Scientific Reports, 2017, 7, 2173.	1.6	15
21	Genes on X and Y Chromosomes. Evolutionary Studies, 2017, , 159-172.	0.2	0
22	The origin and evolution of fibromelanosis in domesticated chickens: Genomic comparison of Indonesian Cemani and Chinese Silkie breeds. PLoS ONE, 2017, 12, e0173147.	1.1	29
23	Coevolution of Siglec-11 and Siglec-16 via gene conversion in primates. BMC Evolutionary Biology, 2017, 17, 228.	3.2	23
24	Transcriptome analyses of immune tissues from three Japanese frogs (genus Rana) reveals their utility in characterizing major histocompatibility complex class II. BMC Genomics, 2017, 18, 994.	1.2	7
25	Physical contact and carbon transfer between a lichen-forming Trebouxia alga and a novel Alphaproteobacterium. Microbiology (United Kingdom), 2017, 163, 678-691.	0.7	18
26	An ancestral haplotype of the human PERIOD2 gene associates with reduced sensitivity to light-induced melatonin suppression. PLoS ONE, 2017, 12, e0178373.	1.1	14
27	Characterisation of major histocompatibility complex class I genes in Japanese Ranidae frogs. Immunogenetics, 2016, 68, 797-806.	1.2	11
28	Acropora digitiferaEncodes the Largest Known Family of Fluorescent Proteins that Has Persisted during the Evolution ofAcroporaSpecies. Genome Biology and Evolution, 2016, 8, 3271-3283.	1.1	10
29	A pre-metazoan origin of the CRK gene family and co-opted signaling network. Scientific Reports, 2016, 6, 34349.	1.6	7
30	Early Duplication of a Single MHC IIB Locus Prior to the Passerine Radiations. PLoS ONE, 2016, 11, e0163456.	1.1	10
31	Rapid Expansion of Phenylthiocarbamide Non-Tasters among Japanese Macaques. PLoS ONE, 2015, 10, e0132016.	1.1	11
32	A limit to the divergent allele advantage model supported by variable pathogen recognition across HLAâ€ÐRB1 allele lineages. Tissue Antigens, 2015, 86, 343-352.	1.0	10
33	Molecular Evolution of the CYP2D Subfamily in Primates: Purifying Selection on Substrate Recognition Sites without the Frequent or Long-Tract Gene Conversion. Genome Biology and Evolution, 2015, 7, 1053-1067.	1.1	14
34	Patterns of evolution of MHC class II genes of crows (Corvus) suggest trans-species polymorphism. PeerJ, 2015, 3, e853.	0.9	23
35	Multiple Episodic Evolution Events in V1R Receptor Genes of East-African Cichlids. Genome Biology and Evolution, 2014, 6, 1135-1144.	1.1	22
36	Nonsynonymous Substitution Rate Heterogeneity in the Peptide-Binding Region Among DifferentHLA-DRB1Lineages in Humans. G3: Genes, Genomes, Genetics, 2014, 4, 1217-1226.	0.8	6

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37	Structural Basis for the Specific Recognition of the Major Antigenic Peptide from the Japanese Cedar Pollen Allergen Cry j 1 by HLA-DP5. Journal of Molecular Biology, 2014, 426, 3016-3027.	2.0	37
38	A human-specific allelic group of the MHC DRB1 gene in primates. Journal of Physiological Anthropology, 2014, 33, 14.	1.0	9
39	Substrate-Dependent Evolution of Cytochrome P450: Rapid Turnover of the Detoxification-Type and Conservation of the Biosynthesis-Type. PLoS ONE, 2014, 9, e100059.	1.1	29
40	Current perspectives on the intensity of natural selection of MHC loci. Immunogenetics, 2013, 65, 479-483.	1.2	30
41	In Vivo Function and Evolution of the Eutherian-Specific Pluripotency Marker UTF1. PLoS ONE, 2013, 8, e68119.	1.1	17
42	Genomic Structure and Evolution of Multigene Families: â€œFlowersâ€•on the Human Genome. International Journal of Evolutionary Biology, 2012, 2012, 1-11.	1.0	10
43	Reconstructing the Demographic History of the Human Lineage Using Whole-Genome Sequences from Human and Three Great Apes. Genome Biology and Evolution, 2012, 4, 1133-1145.	1.1	22
44	Evolution of Genomic Structures on Mammalian Sex Chromosomes. Current Genomics, 2012, 13, 115-123.	0.7	16
45	MHC class II DQB diversity in the Japanese black bear, Ursus thibetanus japonicus. BMC Evolutionary Biology, 2012, 12, 230.	3.2	17
46	No Evidence for a Second Evolutionary Stratum during the Early Evolution of Mammalian Sex Chromosomes. PLoS ONE, 2012, 7, e45488.	1.1	22
47	Evolution of the CYP2D gene cluster in humans and four non-human primates. Genes and Genetic Systems, 2011, 86, 109-116.	0.2	32
48	Evolutionary origin of peptidoglycan recognition proteins in vertebrate innate immune system. BMC Evolutionary Biology, 2011, 11, 79.	3.2	29
49	Evolutionary History of the Cancer Immunity Antigen MAGE Gene Family. PLoS ONE, 2011, 6, e20365.	1.1	39
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51	Frequent gene conversion events between the X and Y homologous chromosomal regions in primates. BMC Evolutionary Biology, 2010, 10, 225.	3.2	25
52	Divergence, demography and gene loss along the human lineage. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 2451-2457.	1.8	20
53	The Origin and Genetic Variation of Domestic Chickens with Special Reference to Junglefowls Gallus g. gallus and G. varius. PLoS ONE, 2010, 5, e10639.	1.1	77
54	Biological implication for loss of function at major histocompatibility complex loci. Immunogenetics, 2008, 60, 295-302.	1.2	7

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55	Natural selection in the TLR-related genes in the course of primate evolution. Immunogenetics, 2008, 60, 727-735.	1.2	57
56	Population Genetic Analysis of theN-Acylsphingosine Amidohydrolase Gene Associated With Mental Activity in Humans. Genetics, 2008, 178, 1505-1515.	1.2	16
57	Preservation of a Pseudogene by Gene Conversion and Diversifying Selection. Genetics, 2008, 180, 517-531.	1.2	34
58	On the origin and function of an insertion element VPaI-1 specific to post-1995 pandemic Vibrio parahaemolyticus strains. Genes and Genetic Systems, 2008, 83, 101-110.	0.2	5
59	The origin and evolution of human ampliconic gene families and ampliconic structure. Genome Research, 2007, 17, 441-450.	2.4	56
60	Evolutionary History of Sex-Linked Mammalian Amelogenin Genes. Cells Tissues Organs, 2007, 186, 49-59.	1.3	14
61	Gene Flow between Species of Lake Victoria Haplochromine Fishes. Molecular Biology and Evolution, 2007, 24, 2069-2080.	3.5	39
62	Identification of CTL epitopes in hepatitis C virus by a genome-wide computational scanning and a rational design of peptide vaccine. Immunogenetics, 2007, 59, 197-209.	1.2	16
63	Amino Acids and Genome Modifications. Nihon EiyÅ•ShokuryÅ•Gakkai Shi = Nippon EiyÅ•ShokuryÅ•Gakkaishi = Journal of Japanese Society of Nutrition and Food Science, 2007, 60, 131-135.	0.2	0
64	Comparative analysis of the S-intergenic region in class-II S haplotypes of self-incompatible Brassica rapa (syn. campestris). Genes and Genetic Systems, 2006, 81, 63-67.	0.2	21
65	Comparative analysis of chimpanzee and human Y chromosomes unveils complex evolutionary pathway. Nature Genetics, 2006, 38, 158-167.	9.4	110
66	Origin and Evolution of Processed Pseudogenes That Stabilize Functional Makorin1 mRNAs in Mice, Primates and Other Mammals. Genetics, 2006, 172, 2421-2429.	1.2	16
67	Fixation of the Human-Specific CMP-N-Acetylneuraminic Acid Hydroxylase Pseudogene and Implications of Haplotype Diversity for Human Evolution. Genetics, 2006, 172, 1139-1146.	1.2	76
68	Chemically synthesized pathogen-associated molecular patterns increase the expression of peptidoglycan recognition proteins via toll-like receptors, NOD1 and NOD2 in human oral epithelial cells. Cellular Microbiology, 2005, 7, 675-686.	1.1	113
69	Evidence for natural selection in the HAVCR1 gene: high degree of amino-acid variability in the mucin domain of human HAVCR1 protein. Genes and Immunity, 2005, 6, 398-406.	2.2	34
70	Origins of mouse inbred strains deduced from whole-genome scanning by polymorphic microsatellite loci. Mammalian Genome, 2005, 16, 11-19.	1.0	46
71	Lineage-Specific Loss of Function of Bitter Taste Receptor Genes in Humans and Nonhuman PrimatesSequence data from this article have been deposited with the EMBL/GenBank Data Libraries under accession nos. AB198983, AB199308.. Genetics, 2005, 170, 313-326.	1.2	151
72	A Retroposon Analysis of Afrotherian Phylogeny. Molecular Biology and Evolution, 2005, 22, 1823-1833.	3.5	88

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73	Evolutionary Relationships of Major Histocompatibility Complex Class I Genes in Simian Primates. Genetics, 2004, 166, 1897-1907.	1.2	19
74	Effects of Intra-Locus Recombination on HLA Polymorphism. Hereditas, 2004, 127, 105-112.	0.5	33
75	Ancestral Population Sizes and Species Divergence Times in the Primate Lineage on the Basis of Intron and BAC End Sequences. Journal of Molecular Evolution, 2004, 59, 478-487.	0.8	46
76	The distribution of the ancestral haplotype in finite stepping-stone models with population expansion. Molecular Ecology, 2004, 13, 877-886.	2.0	25
77	Evolutionary Relationships of Major Histocompatibility Complex Class I Genes in Simian Primates. Genetics, 2004, 166, 1897-1907.	1.2	6
78	Frequent segmental sequence exchanges and rapid gene duplication characterize the MHC class I genes in lemurs. Immunogenetics, 2003, 55, 450-461.	1.2	23
79	The amelogenin loci span an ancient pseudoautosomal boundary in diverse mammalian species. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5258-5263.	3.3	123
80	Phylogenetic analyses of Zostera species based on rbcL and matK nucleotide sequences: Implications for the origin and diversification of seagrasses in Japanese waters. Genes and Genetic Systems, 2003, 78, 329-342.	0.2	54
81	Inactivation of CMP-N-acetylneuraminic acid hydroxylase occurred prior to brain expansion during human evolution. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11736-11741.	3.3	313
82	Contribution of Homoplasy and of Ancestral Polymorphism to the Evolution of Genes in Anthropoid Primates. Molecular Biology and Evolution, 2002, 19, 1501-1513.	3.5	59
83	The Dominance of Alleles Controlling Self-Incompatibility in Brassica Pollen Is Regulated at the RNA Level. Plant Cell, 2002, 14, 491-504.	3.1	177
84	Loss of Urate Oxidase Activity in Hominoids and its Evolutionary Implications. Molecular Biology and Evolution, 2002, 19, 640-653.	3.5	327
85	Out of Africa with regional interbreeding? Modern human origins. BioEssays, 2002, 24, 871-875.	1.2	26
86	Estimation of the Highest Chromosome Number of Eukaryotes Based on the Minimum Interaction Theory. Journal of Theoretical Biology, 2002, 217, 61-74.	0.8	14
87	Mhc-DRB genes evolution in lemurs. Immunogenetics, 2002, 54, 403-417.	1.2	31
88	Coevolution of the S-Locus Genes SRK, SLG and SP11/SCR in Brassica oleracea and B. rapa. Genetics, 2002, 162, 931-940.	1.2	137
89	Persistence of Mhc Heterozygosity in Homozygous Clonal Killifish, Rivulus marmoratus: Implications for the Origin of Hermaphroditism. Genetics, 2002, 162, 1791-1803.	1.2	23
90	Comparison of DNA and protein polymorphisms between humans and chimpanzees.. Genes and Genetic Systems, 2001, 76, 159-168.	0.2	16

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91	Testing Multiregionality of Modern Human Origins. Molecular Biology and Evolution, 2001, 18, 172-183.	3.5	117
92	Integrative Study on Chromosome Evolution of Mammals, Ants and Wasps Based on the Minimum Interaction Theory. Journal of Theoretical Biology, 2001, 210, 475-497.	0.8	51
93	Sex-Chromosomal Differentiation and Amelogenin Genes in Mammals. Molecular Biology and Evolution, 2001, 18, 1601-1603.	3.5	13
94	Alu-mediated inactivation of the human CMP- N-acetylneuraminic acid hydroxylase gene. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 11399-11404.	3.3	163
95	DNA Archives and Our Nearest Relative: The Trichotomy Problem Revisited. Molecular Phylogenetics and Evolution, 2000, 14, 259-275.	1.2	132
96	Mhc class II B gene evolution in East African cichlid fishes. Immunogenetics, 2000, 51, 556-575.	1.2	46
97	Highly divergent sequences of the pollen self-incompatibility (S) gene in class-IShaplotypes ofBrassica campestris(syn.rapa) L. FEBS Letters, 2000, 473, 139-144.	1.3	119
98	Evolution of Catarrhini DPB1 exon 2 under intragenic recombination. , 2000, , 386-397.		1
99	Sequence and Structural Diversity of the S Locus Genes From Different Lines With the Same Self-Recognition Specificities in Brassica oleracea. Genetics, 2000, 154, 413-420.	1.2	51
100	The Implications of Intergenic Polymorphism for Major Histocompatibility Complex Evolution. Genetics, 2000, 156, 867-877.	1.2	25
101	Molecular clock and recombination in primate Mhc genes. Immunological Reviews, 1999, 167, 367-379.	2.8	19
102	Evolution of Mhcâ€“DRB Introns: Implications for the Origin of Primates. Journal of Molecular Evolution, 1999, 48, 663-674.	0.8	29
103	Paleo-demography of the Drosophila melanogaster subgroup. Application of the maximum likelihood method.. Genes and Genetic Systems, 1999, 74, 117-127.	0.2	73
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105	Improbable truth in human MHC diversity?. Nature Genetics, 1998, 18, 204-206.	9.4	12
106	Polymorphism of the HLA class II loci in Siberian populations. Human Genetics, 1998, 102, 27-43.	1.8	70
107	Evolutionary history and mechanism of the Drosophila Cecropin gene family. Immunogenetics, 1998, 47, 417-429.	1.2	23
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110	Evolution of the primate lineage leading to modern humans: Phylogenetic and demographic inferences from DNA sequences. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 4811-4815.	3.3	176
111	Striking sequence similarity in inter- and intra-specific comparisons of class I SLG alleles from Brassica oleracea and Brassica campestris: Implications for the evolution and recognition mechanism. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 7673-7678.	3.3	176
112	How large was the founding population of Darwin's finches?. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 111-118.	1.2	95
113	Chromosomal duplication and the emergence of the adaptive immune system. Trends in Genetics, 1997, 13, 90-92.	2.9	151
114	Ancestral Polymorphism of Mhc Class II Genes in Mice: Implications for Balancing Selection and the Mammalian Molecular Clock. Genetics, 1997, 146, 655-668.	1.2	61
115	HLA-DRB intron 1 sequences: Implications for the evolution of HLA-DRB genes and haplotypes. Human Immunology, 1996, 51, 1-12.	1.2	50
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117	Divergence Time and Population Size in the Lineage Leading to Modern Humans. Theoretical Population Biology, 1995, 48, 198-221.	0.5	291
118	Alu elements of the primate major histocompatibility complex. Mammalian Genome, 1994, 5, 405-415.	1.0	31
119	Multiplication of 28S rDNA and NOR activity in chromosome evolution among ants of the Myrmecia pilosula species complex. Chromosoma, 1994, 103, 171-178.	1.0	50
120	Intensity of natural selection at the major histocompatibility complex loci.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 7184-7188.	3.3	168
121	Structure, function, and evolution of mouse TL genes, nonclassical class I genes of the major histocompatibility complex.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 6589-6593.	3.3	21
122	Multiplication of 28S rDNA and NOR activity in chromosome evolution among ants of the Myrmecia pilosula species complex. Chromosoma, 1994, 103, 171-178.	1.0	14
123	How the ratio of nonsynonymous to synonymous pseudogene substitutions can be less than one. Immunogenetics, 1993, 38, 450-4.	1.2	15
124	Evolution of hominoid mitochondrial DNA with special reference to the silent substitution rate over the genome. Journal of Molecular Evolution, 1993, 36, 517-531.	0.8	48
125	The Molecular Descent of the Major Histocompatibility Complex. Annual Review of Immunology, 1993, 11, 269-295.	9.5	292
126	Evolution of the mitochondrial ATPase 6 gene in Drosophila: unusually high level of polymorphism in D. melanogaster. Genetical Research, 1993, 61, 195-204.	0.3	33

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127	The synonymous substitution rate of the major histocompatibility complex loci in primates.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 7480-7484.	3.3	78
128	Transâ€specific Mhc polymorphism and the origin of species in primates. Journal of Medical Primatology, 1993, 22, 57-64.	0.3	52
129	Evolution of the mouse t haplotype: recent and worldwide introgression to Mus musculus.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 6851-6855.	3.3	52
130	Phase specific Ag-staining of nucleolar organizer regions (NORs) and kinetochores in the Australian ant Myrmecia croslandi.. Japanese Journal of Genetics, 1992, 67, 437-447.	1.0	19
131	Nucleotide sequence of a mouse Tcp-1 pseudogene: A nucleotide record for a t complex gene carried by an ancestor of the mouse. Mammalian Genome, 1992, 2, 246-251.	1.0	4
132	Man's place in hominoidea revealed by mitochondrial DNA genealogy. Journal of Molecular Evolution, 1992, 35, 32-43.	0.8	205
133	Some comments on calibration of molecular evolutionary rates. Immunogenetics, 1992, 36, 126-129.	1.2	1
134	Human evolution revealed by mtDNA and MHC.. Seibutsu Butsuri, 1992, 32, 51-55.	0.0	0
135	Calibrating Evolutionary Rates at Major Histocompatibility Complex Loci. , 1991, , 51-62.		27
136	Evolution of Drosophila mitochondrial DNA and the history of the melanogaster subgroup.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 9558-9562.	3.3	89
137	Dubious maternal inheritance of mitochondrial DNA inD. simulansand evolution ofD. mauritiana. Genetical Research, 1988, 52, 1-6.	0.3	64
138	Tn3 resolvase-like sequence in P transposable element of Drosophila melanogaster.. Japanese Journal of Genetics, 1985, 60, 261-266.	1.0	7
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