Shilin Tian

List of Publications by Year
in descending order

45 papers	3,093 citations	257450 24 h-index	276875 41 g-index
47 all docs	47 docs citations	47 times ranked	4109 citing authors

#	Article	IF	Citations
1	Genomic analyses identify distinct patterns of selection in domesticated pigs and Tibetan wild boars. Nature Genetics, 2013, 45, 1431-1438.	21.4	472
2	Resequencing a core collection of upland cotton identifies genomic variation and loci influencing fiber quality and yield. Nature Genetics, 2018, 50, 803-813.	21.4	368
3	Genomic analyses of primitive, wild and cultivated citrus provide insights into asexual reproduction. Nature Genetics, 2017, 49, 765-772.	21.4	316
4	Whole-Genome Sequencing of Native Sheep Provides Insights into Rapid Adaptations to Extreme Environments. Molecular Biology and Evolution, 2016, 33, 2576-2592.	8.9	271
5	Ground tit genome reveals avian adaptation to living at high altitudes in the Tibetan plateau. Nature Communications, 2013, 4, 2071.	12.8	229
6	Genomic Analyses Reveal Demographic History and Temperate Adaptation of the Newly Discovered Honey Bee SubspeciesApis mellifera sinisxinyuann. ssp. Molecular Biology and Evolution, 2016, 33, 1337-1348.	8.9	125
7	Comprehensive variation discovery and recovery of missing sequence in the pig genome using multiple de novo assemblies. Genome Research, 2017, 27, 865-874.	5.5	116
8	A Chromosome-Level Genome Assembly of Garlic (Allium sativum) Provides Insights into Genome Evolution and Allicin Biosynthesis. Molecular Plant, 2020, 13, 1328-1339.	8.3	89
9	Exosomal microRNAs in giant panda (Ailuropoda melanoleuca) breast milk: potential maternal regulators for the development of newborn cubs. Scientific Reports, 2017, 7, 3507.	3.3	86
10	Genome re-sequencing reveals the evolutionary history of peach fruit edibility. Nature Communications, 2018, 9, 5404.	12.8	84
11	Whole-genome sequencing of Berkshire (European native pig) provides insights into its origin and domestication. Scientific Reports, 2015, 4, 4678.	3.3	81
12	High-quality genome assembly and resequencing of modern cotton cultivars provide resources for crop improvement. Nature Genetics, 2021, 53, 1385-1391.	21.4	76
13	Population Genomics Reveals Low Genetic Diversity and Adaptation to Hypoxia in Snub-Nosed Monkeys. Molecular Biology and Evolution, 2016, 33, 2670-2681.	8.9	69
14	Genomic selection and genetic architecture of agronomic traits during modern rapeseed breeding. Nature Genetics, 2022, 54, 694-704.	21.4	55
15	A de novo silencer causes elimination of MITF-M expression and profound hearing loss in pigs. BMC Biology, 2016, 14, 52.	3.8	53
16	Whole Exome Sequencing Identifies Frequent Somatic Mutations in Cell-Cell Adhesion Genes in Chinese Patients with Lung Squamous Cell Carcinoma. Scientific Reports, 2015, 5, 14237.	3.3	51
17	Comparative transcriptomics of 5 high-altitude vertebrates and their low-altitude relatives. GigaScience, 2017, 6, 1-9.	6.4	50
18	mRNA N6-methyladenosine methylation of postnatal liver development in pig. PLoS ONE, 2017, 12, e0173421.	2.5	48

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19	Comparative analysis of the microRNA transcriptome between yak and cattle provides insight into high-altitude adaptation. PeerJ, 2017, 5, e3959.	2.0	43
20	Population genomics identifies patterns of genetic diversity and selection in chicken. BMC Genomics, 2019, 20, 263.	2.8	34
21	Genetic responses to seasonal variation in altitudinal stress: whole-genome resequencing of great tit in eastern Himalayas. Scientific Reports, 2015, 5, 14256.	3.3	33
22	Genomic analysis reveals selection in Chinese native black pig. Scientific Reports, 2016, 6, 36354.	3.3	32
23	Molecular adaptation and convergent evolution of frugivory in Old World and neotropical fruit bats. Molecular Ecology, 2020, 29, 4366-4381.	3.9	32
24	Genomic data for 78 chickens from 14 populations. GigaScience, 2017, 6, 1-5.	6.4	28
25	Genomic Analyses Reveal Genetic Adaptations to Tropical Climates in Chickens. IScience, 2020, 23, 101644.	4.1	28
26	Population genomics of wild Chinese rhesus macaques reveals a dynamic demographic history and local adaptation, with implications for biomedical research. GigaScience, 2018, 7, .	6.4	27
27	Transcriptomic analysis provides insight into high-altitude acclimation in domestic goats. Gene, 2015, 567, 208-216.	2.2	26
28	Comparative 3D genome architecture in vertebrates. BMC Biology, 2022, 20, 99.	3.8	25
29	Transcriptomic analysis reveals distinct resistant response by physcion and chrysophanol against cucumber powdery mildew. PeerJ, 2016, 4, e1991.	2.0	24
30	Genome-Wide Chromatin Structure Changes During Adipogenesis and Myogenesis. International Journal of Biological Sciences, 2018, 14, 1571-1585.	6.4	23
31	Detecting mitochondrial signatures of selection in wild Tibetan pigs and domesticated pigs. Mitochondrial DNA, 2016, 27, 747-752.	0.6	20
32	Building a Chinese pan-genome of 486 individuals. Communications Biology, 2021, 4, 1016.	4.4	13
33	Deciphering the microRNA transcriptome of skeletal muscle during porcine development. PeerJ, 2016, 4, e1504.	2.0	12
34	Genomic analyses reveal selection footprints in rice landraces grown under onâ€farm conservation conditions during a shortâ€term period of domestication. Evolutionary Applications, 2020, 13, 290-302.	3.1	9
35	Microevolutionary Dynamics of Chicken Genomes under Divergent Selection for Adiposity. IScience, 2020, 23, 101193.	4.1	9
36	Vulture Genomes Reveal Molecular Adaptations Underlying Obligate Scavenging and Low Levels of Genetic Diversity. Molecular Biology and Evolution, 2021, 38, 3649-3663.	8.9	9

#	Article	IF	Citations
37	Detection of genetic diversity and selection at the coding region of the melanocortin receptor 1 () Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	8
38	Association of female reproductive tract microbiota with egg production in layer chickens. GigaScience, 2021, 10, .	6.4	7
39	Snapshot of Structural Variations in the Tibetan Wild Boar Genome at Single-Nucleotide Resolution. Journal of Genetics and Genomics, 2014, 41, 653-657.	3.9	6
40	Dynamic gene expression profiles during postnatal development of porcine subcutaneous adipose. PeerJ, 2016, 4, e1768.	2.0	4
41	Genome-wide analysis reveals selection for Chinese Rongchang pigs. Frontiers of Agricultural Science and Engineering, 2017, 4, 319.	1.4	2
42	Reply to 'Evolution of Tibetan wild boars'. Nature Genetics, 2015, 47, 189-190.	21.4	0
43	Reply to 'On genetic differentiation between domestic pigs and Tibetan wild boars'. Nature Genetics, 2015, 47, 192-192.	21.4	0
44	Reply to 'Olfactory genes in Tibetan wild boar (NG-CR42819)'. Nature Genetics, 2016, 48, 973-974.	21.4	0
45	Large-scale inversions majorly drive upland cotton population differentiation. Journal of Cotton Research, 2019, 2, .	2.5	0