

Shengqiang Shu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67
papers

15,493
citations

34
h-index

77
g-index

77
ext. papers

20,062
ext. citations

14.8
avg, IF

5.48
L-index

#	Paper	IF	Citations
67	Chromosome evolution and the genetic basis of agronomically important traits in greater yam.. <i>Nature Communications</i> , 2022 , 13, 2001	17.4	2
66	The contributions from the progenitor genomes of the mesopolyploid Brassiceae are evolutionarily distinct but functionally compatible. <i>Genome Research</i> , 2021 , 31, 799-810	9.7	4
65	Pests, diseases, and aridity have shaped the genome of <i>Corymbia citriodora</i> . <i>Communications Biology</i> , 2021 , 4, 537	6.7	4
64	Gene-rich UV sex chromosomes harbor conserved regulators of sexual development. <i>Science Advances</i> , 2021 , 7,	14.3	15
63	Genomic variation within the maize stiff-stalk heterotic germplasm pool. <i>Plant Genome</i> , 2021 , 14, e20114	14.4	1
62	Genomic mechanisms of climate adaptation in polyploid bioenergy switchgrass. <i>Nature</i> , 2021 , 590, 438-444	44.4	42
61	Genome sequence and evolution of <i>Betula platyphylla</i> . <i>Horticulture Research</i> , 2021 , 8, 37	7.7	18
60	Four chromosome scale genomes and a pan-genome annotation to accelerate pecan tree breeding. <i>Nature Communications</i> , 2021 , 12, 4125	17.4	15
59	A willow sex chromosome reveals convergent evolution of complex palindromic repeats. <i>Genome Biology</i> , 2020 , 21, 38	18.3	39
58	A chromosome-scale reference genome of trifoliolate orange (<i>Poncirus trifoliata</i>) provides insights into disease resistance, cold tolerance and genome evolution in Citrus. <i>Plant Journal</i> , 2020 , 104, 1215-1232	6.9	17
57	A genome assembly and the somatic genetic and epigenetic mutation rate in a wild long-lived perennial <i>Populus trichocarpa</i> . <i>Genome Biology</i> , 2020 , 21, 259	18.3	31
56	A genome resource for green millet <i>Setaria viridis</i> enables discovery of agronomically valuable loci. <i>Nature Biotechnology</i> , 2020 , 38, 1203-1210	44.5	43
55	Gradual polyploid genome evolution revealed by pan-genomic analysis of <i>Brachypodium hybridum</i> and its diploid progenitors. <i>Nature Communications</i> , 2020 , 11, 3670	17.4	22
54	Genome biology of the paleotetraploid perennial biomass crop <i>Miscanthus</i> . <i>Nature Communications</i> , 2020 , 11, 5442	17.4	22
53	Genomic diversifications of five <i>Gossypium</i> allopolyploid species and their impact on cotton improvement. <i>Nature Genetics</i> , 2020 , 52, 525-533	36.3	100
52	Hybridization History and Repetitive Element Content in the Genome of a Homoploid Hybrid, (<i>Asparagaceae</i>). <i>Frontiers in Plant Science</i> , 2020 , 11, 573767	6.2	1
51	Genome mapping of quantitative trait loci (QTL) controlling domestication traits of intermediate wheatgrass (<i>Thinopyrum intermedium</i>). <i>Theoretical and Applied Genetics</i> , 2019 , 132, 2325-2351	6	12

50	A new reference genome for Sorghum bicolor reveals high levels of sequence similarity between sweet and grain genotypes: implications for the genetics of sugar metabolism. <i>BMC Genomics</i> , 2019 , 20, 420	4.5	33
49	The genome of cowpea (<i>Vigna unguiculata</i> [L.] Walp.). <i>Plant Journal</i> , 2019 , 98, 767-782	6.9	128
48	Construction and comparison of three reference-quality genome assemblies for soybean. <i>Plant Journal</i> , 2019 , 100, 1066-1082	6.9	32
47	Genome sequence of the model rice variety KitaakeX. <i>BMC Genomics</i> , 2019 , 20, 905	4.5	21
46	The genome provides insight into adaptive radiation and reveals an extraordinarily polymorphic chromosome with a unique history. <i>ELife</i> , 2018 , 7,	8.9	63
45	The <i>Physcomitrella patens</i> chromosome-scale assembly reveals moss genome structure and evolution. <i>Plant Journal</i> , 2018 , 93, 515-533	6.9	176
44	The Sorghum bicolor reference genome: improved assembly, gene annotations, a transcriptome atlas, and signatures of genome organization. <i>Plant Journal</i> , 2018 , 93, 338-354	6.9	218
43	The genomic landscape of molecular responses to natural drought stress in <i>Panicum hallii</i> . <i>Nature Communications</i> , 2018 , 9, 5213	17.4	51
42	Draft Nuclear Genome Sequence of the Liquid Hydrocarbon-Accumulating Green Microalga Race B (Showa). <i>Genome Announcements</i> , 2017 , 5,		16
41	The Peach v2.0 release: high-resolution linkage mapping and deep resequencing improve chromosome-scale assembly and contiguity. <i>BMC Genomics</i> , 2017 , 18, 225	4.5	181
40	Insights into Land Plant Evolution Garnered from the <i>Marchantia polymorpha</i> Genome. <i>Cell</i> , 2017 , 171, 287-304.e15	56.2	538
39	Insights into the red algae and eukaryotic evolution from the genome of (Bangiophyceae, Rhodophyta). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E6361-E6370	11.5	131
38	The <i>Kalanchoe</i> genome provides insights into convergent evolution and building blocks of crassulacean acid metabolism. <i>Nature Communications</i> , 2017 , 8, 1899	17.4	77
37	Extensive gene content variation in the <i>Brachypodium distachyon</i> pan-genome correlates with population structure. <i>Nature Communications</i> , 2017 , 8, 2184	17.4	168
36	Identification, characterization, and gene expression analysis of nucleotide binding site (NB)-type resistance gene homologues in switchgrass. <i>BMC Genomics</i> , 2016 , 17, 892	4.5	12
35	A reference genome for common bean and genome-wide analysis of dual domestications. <i>Nature Genetics</i> , 2014 , 46, 707-13	36.3	772
34	The high-quality draft genome of peach (<i>Prunus persica</i>) identifies unique patterns of genetic diversity, domestication and genome evolution. <i>Nature Genetics</i> , 2013 , 45, 487-94	36.3	777
33	The <i>Capsella rubella</i> genome and the genomic consequences of rapid mating system evolution. <i>Nature Genetics</i> , 2013 , 45, 831-5	36.3	274

32	The Reference Genome of the Halophytic Plant <i>Eutrema salsugineum</i> . <i>Frontiers in Plant Science</i> , 2013 , 4, 46	6.2	156
31	Fine-scale variation in meiotic recombination in <i>Mimulus</i> inferred from population shotgun sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19478-82	11.5	140
30	Repeated polyploidization of <i>Gossypium</i> genomes and the evolution of spinnable cotton fibres. <i>Nature</i> , 2012 , 492, 423-7	50.4	839
29	Phytozome: a comparative platform for green plant genomics. <i>Nucleic Acids Research</i> , 2012 , 40, D1178-86	60.1	2713
28	Genome sequence of the palaeopolyploid soybean. <i>Nature</i> , 2010 , 463, 178-83	50.4	2997
27	The <i>Amphimedon queenslandica</i> genome and the evolution of animal complexity. <i>Nature</i> , 2010 , 466, 720-6	50.4	782
26	The genome of the Western clawed frog <i>Xenopus tropicalis</i> . <i>Science</i> , 2010 , 328, 633-6	33.3	579
25	The genome of <i>Naegleria gruberi</i> illuminates early eukaryotic versatility. <i>Cell</i> , 2010 , 140, 631-42	56.2	346
24	AmiGO: online access to ontology and annotation data. <i>Bioinformatics</i> , 2009 , 25, 288-9	7.2	1193
23	The Release 5.1 annotation of <i>Drosophila melanogaster</i> heterochromatin. <i>Science</i> , 2007 , 316, 1586-91	33.3	154
22	A computational and experimental approach to validating annotations and gene predictions in the <i>Drosophila melanogaster</i> genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 1566-71	11.5	29
21	The generic genome browser: a building block for a model organism system database. <i>Genome Research</i> , 2002 , 12, 1599-610	9.7	929
20	Evidence for Reproductive Diapause in the Fritillary <i>Speyeria idalia</i> (Lepidoptera: Nymphalidae). <i>Annals of the Entomological Society of America</i> , 2001 , 94, 427-432	2	19
19	Role of juvenile hormone-esterase in mating-stimulated egg development in the moth <i>Heliothis virescens</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2000 , 30, 785-91	4.5	15
18	Responses of Normal and Active Males of <i>Callosobruchus subinnotatus</i> to Female Sex Pheromone. <i>Annals of the Entomological Society of America</i> , 1999 , 92, 594-600	2	4
17	Sex Pheromone of <i>Callosobruchus subinnotatus</i> . <i>Journal of Chemical Ecology</i> , 1999 , 25, 2715-2727	2.7	10
16	Lipophorin of female <i>Blattella germanica</i> (L.): characterization and relation to hemolymph titers of juvenile hormone and hydrocarbons. <i>Journal of Insect Physiology</i> , 1999 , 45, 431-441	2.4	41
15	Influence of juvenile hormone and mating on oogenesis and oviposition in the codling moth, <i>Cydia pomonella</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 1999 , 41, 186-200	2.3	22

14	Temporal profiles of juvenile hormone titers and egg production in virgin and mated females of <i>Heliothis virescens</i> (Noctuidae). <i>Journal of Insect Physiology</i> , 1998 , 44, 1111-1117	2.4	32
13	Mating in <i>Heliothis virescens</i> : transfer of juvenile hormone during copulation by male to female and stimulation of biosynthesis of endogenous juvenile hormone. <i>Archives of Insect Biochemistry and Physiology</i> , 1998 , 38, 100-7	2.3	39
12	Female Sex Pheromone in <i>Callosobruchus subinnotatus</i> (Coleoptera: Bruchidae): Production and Male Responses. <i>Annals of the Entomological Society of America</i> , 1998 , 91, 840-844	2	8
11	Hemolymph juvenile hormone titers in pupal and adult stages of southwestern corn borer [<i>Diatraea grandiosella</i> (pyralidae)] and relationship with egg development. <i>Journal of Insect Physiology</i> , 1997 , 43, 719-726	2.4	48
10	Rhythmicity of mating and oviposition in <i>Callosobruchus subinnotatus</i> (Pic) (Coleoptera: Bruchidae). <i>Journal of Insect Behavior</i> , 1997 , 10, 409-423	1.1	23
9	Dynamics of juvenile hormone-mediated gonadotropism in the lepidoptera. <i>Archives of Insect Biochemistry and Physiology</i> , 1997 , 35, 539-558	2.3	128
8	Sex pheromone production in <i>Callosobruchus maculatus</i> (Coleoptera: Bruchidae): Electroantennographic and behavioral responses. <i>Journal of Stored Products Research</i> , 1996 , 32, 21-30	2.5	36
7	Ultrastructure and potential role of integumentary glandular cells in adult male and female <i>Callosobruchus subinnotatus</i> (Pic) and <i>C. maculatus</i> (Fabricius) (Coleoptera : Bruchidae). <i>Arthropod Structure and Development</i> , 1995 , 24, 51-61		14
6	Evidence for a multicomponent sex pheromone in <i>Eriborus terebrans</i> (Gravenhorst) (HYM.: Ichneumonidae), a larval parasitoid of the European corn borer. <i>Journal of Chemical Ecology</i> , 1993 , 19, 2563-76	2.7	24
5	A kairomone for <i>Trichogramma nubilale</i> (Hymenoptera: Trichogrammatidae) isolation, identification, and synthesis. <i>Journal of Chemical Ecology</i> , 1990 , 16, 521-9	2.7	49
4	Kinetic effects of a kairomone in moth scales of the European corn borer on <i>Trichogramma nubilale</i> Ertle & Davis (Hymenoptera: Trichogrammatidae). <i>Journal of Insect Behavior</i> , 1989 , 2, 123-131	1.1	19
3	The genome of cowpea (<i>Vigna unguiculata</i> [L.] Walp.)		2
2	The <i>Setaria viridis</i> genome and diversity panel enables discovery of a novel domestication gene		9
1	Chromosome evolution and the genetic basis of agronomically important traits in greater yam		3