

Shengqiang Shu

List of Publications by Year in descending order

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65
papers

22,472
citations

76326

40
h-index

110387

64
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77
all docs

77
docs citations

77
times ranked

25514
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiplex knockout of trichome-regulating MYB duplicates in hybrid poplar using a single gRNA. <i>Plant Physiology</i> , 2022, 189, 516-526.	4.8	18
2	Chromosome evolution and the genetic basis of agronomically important traits in greater yam. <i>Nature Communications</i> , 2022, 13, 2001.	12.8	35
3	Genomic mechanisms of climate adaptation in polyploid bioenergy switchgrass. <i>Nature</i> , 2021, 590, 438-444.	27.8	144
4	Genome sequence and evolution of <i>Betula platyphylla</i> . <i>Horticulture Research</i> , 2021, 8, 37.	6.3	53
5	The contributions from the progenitor genomes of the mesopolyploid Brassiceae are evolutionarily distinct but functionally compatible. <i>Genome Research</i> , 2021, 31, 799-810.	5.5	21
6	Pests, diseases, and aridity have shaped the genome of <i>Corymbia citriodora</i> . <i>Communications Biology</i> , 2021, 4, 537.	4.4	21
7	Gene-rich UV sex chromosomes harbor conserved regulators of sexual development. <i>Science Advances</i> , 2021, 7, .	10.3	53
8	Genomic variation within the maize stiffâ€stalk heterotic germplasm pool. <i>Plant Genome</i> , 2021, 14, e20114.	2.8	14
9	Four chromosome scale genomes and a pan-genome annotation to accelerate pecan tree breeding. <i>Nature Communications</i> , 2021, 12, 4125.	12.8	49
10	A chromosomeâ€scale reference genome of trifoliate orange (<i>Poncirus trifoliata</i>) provides insights into disease resistance, cold tolerance and genome evolution in <i>Citrus</i> . <i>Plant Journal</i> , 2020, 104, 1215-1232.	5.7	56
11	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.	8.8	68
12	A genome resource for green millet <i>Setaria viridis</i> enables discovery of agronomically valuable loci. <i>Nature Biotechnology</i> , 2020, 38, 1203-1210.	17.5	103
13	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.	12.8	67
14	Genome biology of the paleotetraploid perennial biomass crop <i>Miscanthus</i> . <i>Nature Communications</i> , 2020, 11, 5442.	12.8	67
15	A willow sex chromosome reveals convergent evolution of complex palindromic repeats. <i>Genome Biology</i> , 2020, 21, 38.	8.8	74
16	Genomic diversifications of five <i>Gossypium</i> allopolyploid species and their impact on cotton improvement. <i>Nature Genetics</i> , 2020, 52, 525-533.	21.4	249
17	Hybridization History and Repetitive Element Content in the Genome of a Homoploid Hybrid, <i>Yucca gloriosa</i> (Asparagaceae). <i>Frontiers in Plant Science</i> , 2020, 11, 573767.	3.6	9
18	Construction and comparison of three referenceâ€quality genome assemblies for soybean. <i>Plant Journal</i> , 2019, 100, 1066-1082.	5.7	113

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19	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.	3.6	30
20	A new reference genome for <i>Sorghum bicolor</i> 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.	2.8	73
21	The genome of cowpea (<i>Vigna unguiculata</i> [L.] Walp.). <i>Plant Journal</i> , 2019, 98, 767-782.	5.7	264
22	Genome sequence of the model rice variety KitaakeX. <i>BMC Genomics</i> , 2019, 20, 905.	2.8	59
23	The <i>Physcomitrella patens</i> chromosome-scale assembly reveals moss genome structure and evolution. <i>Plant Journal</i> , 2018, 93, 515-533.	5.7	406
24	The <i>Sorghum bicolor</i> reference genome: improved assembly, gene annotations, a transcriptome atlas, and signatures of genome organization. <i>Plant Journal</i> , 2018, 93, 338-354.	5.7	431
25	The genomic landscape of molecular responses to natural drought stress in <i>Panicum hallii</i> . <i>Nature Communications</i> , 2018, 9, 5213.	12.8	101
26	The <i>Aquilegia</i> genome provides insight into adaptive radiation and reveals an extraordinarily polymorphic chromosome with a unique history. <i>ELife</i> , 2018, 7, .	6.0	120
27	Draft Nuclear Genome Sequence of the Liquid Hydrocarbon-Accumulating Green Microalga <i>Botryococcus braunii</i> Race B (Showa). <i>Genome Announcements</i> , 2017, 5, .	0.8	21
28	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.	2.8	342
29	Insights into Land Plant Evolution Garnered from the <i>Marchantia polymorpha</i> Genome. <i>Cell</i> , 2017, 171, 287-304.e15.	28.9	973
30	Insights into the red algae and eukaryotic evolution from the genome of <i>Porphyra umbilicalis</i> (Bangiophyceae, Rhodophyta). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6361-E6370.	7.1	233
31	The <i>Kalanchoë</i> genome provides insights into convergent evolution and building blocks of crassulacean acid metabolism. <i>Nature Communications</i> , 2017, 8, 1899.	12.8	159
32	Extensive gene content variation in the <i>Brachypodium distachyon</i> pan-genome correlates with population structure. <i>Nature Communications</i> , 2017, 8, 2184.	12.8	269
33	Identification, characterization, and gene expression analysis of nucleotide binding site (NB)-type resistance gene homologues in switchgrass. <i>BMC Genomics</i> , 2016, 17, 892.	2.8	14
34	A reference genome for common bean and genome-wide analysis of dual domestications. <i>Nature Genetics</i> , 2014, 46, 707-713.	21.4	1,159
35	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, 487-494.	21.4	1,031
36	The <i>Capsella rubella</i> genome and the genomic consequences of rapid mating system evolution. <i>Nature Genetics</i> , 2013, 45, 831-835.	21.4	374

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37	The Reference Genome of the Halophytic Plant <i>Eutrema salsugineum</i> . <i>Frontiers in Plant Science</i> , 2013, 4, 46.	3.6	198
38	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, 19478-19482.	7.1	190
39	Phytozome: a comparative platform for green plant genomics. <i>Nucleic Acids Research</i> , 2012, 40, D1178-D1186.	14.5	4,204
40	Repeated polyploidization of <i>Gossypium</i> genomes and the evolution of spinnable cotton fibres. <i>Nature</i> , 2012, 492, 423-427.	27.8	1,204
41	Genome sequence of the palaeopolyploid soybean. <i>Nature</i> , 2010, 463, 178-183.	27.8	3,854
42	The <i>Amphimedon queenslandica</i> genome and the evolution of animal complexity. <i>Nature</i> , 2010, 466, 720-726.	27.8	917
43	The Genome of the Western Clawed Frog <i>Xenopus tropicalis</i> . <i>Science</i> , 2010, 328, 633-636.	12.6	708
44	The Genome of <i>Naegleria gruberi</i> Illuminates Early Eukaryotic Versatility. <i>Cell</i> , 2010, 140, 631-642.	28.9	399
45	AmiGO: online access to ontology and annotation data. <i>Bioinformatics</i> , 2009, 25, 288-289.	4.1	1,647
46	The Release 5.1 Annotation of <i>Drosophila melanogaster</i> Heterochromatin. <i>Science</i> , 2007, 316, 1586-1591.	12.6	181
47	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, 1566-1571.	7.1	32
48	The Generic Genome Browser: A Building Block for a Model Organism System Database. <i>Genome Research</i> , 2002, 12, 1599-1610.	5.5	1,006
49	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.	2.5	20
50	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, 785-791.	2.7	16
51	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.	2.5	5
52	Sex Pheromone of <i>Callosobruchus subinnotatus</i> . <i>Journal of Chemical Ecology</i> , 1999, 25, 2715-2727.	1.8	14
53	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.	2.0	43
54	Influence of juvenile hormone and mating on oogenesis and oviposition in the codling moth, <i>Cydia pomonella</i> . , 1999, 41, 186-200.		23

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55	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.	2.0	33
56	Mating in <i>Heliothis virescens</i> : Transfer of juvenile hormone during copulation by male to female and stimulation of biosynthesis of endogenous juvenile hormone. , 1998, 38, 100-107.		45
57	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.	2.5	8
58	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.	2.0	50
59	Rhythmicity of mating and oviposition in <i>Callosobruchus subinnotatus</i> (Pic) (Coleoptera: Bruchidae). <i>Journal of Insect Behavior</i> , 1997, 10, 409-423.	0.7	27
60	Dynamics of juvenile hormone-mediated gonadotropism in the lepidoptera. <i>Archives of Insect Biochemistry and Physiology</i> , 1997, 35, 539-558.	1.5	138
61	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.	2.6	39
62	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.	0.4	17
63	Evidence for a multicomponent sex pheromone in <i>Eriborus terebrans</i> (Gravenhorst) (HYM.:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 2563-2576.	1.8	26
64	A kairomone for <i>Trichogramma nubilale</i> (Hymenoptera: Trichogrammatidae) isolation, identification, and synthesis. <i>Journal of Chemical Ecology</i> , 1990, 16, 521-529.	1.8	61
65	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.	0.7	19