

Genome sequencing of the high oil crop sesame provide

Genome Biology

15, R39

DOI: [10.1186/gb-2014-15-2-r39](https://doi.org/10.1186/gb-2014-15-2-r39)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Genome-wide identification of non-coding RNAs interacted with microRNAs in soybean. <i>Frontiers in Plant Science</i> , 2014, 5, 743.	1.7	53
2	Development of Simple Sequence Repeat (SSR) Markers of Sesame (<i>Sesamum indicum</i>) from a Genome Survey. <i>Molecules</i> , 2014, 19, 5150-5162.	1.7	67
3	Expanding frontiers in plant transcriptomics in aid of functional genomics and molecular breeding. <i>Biotechnology Journal</i> , 2014, 9, 1480-1492.	1.8	54
4	Analysis of expressed sequence tags from a normalized cDNA library of perilla (<i>Perilla frutescens</i>). <i>Journal of Plant Biology</i> , 2014, 57, 312-320.	0.9	4
5	Using nuclear gene data for plant phylogenetics: Progress and prospects II. Next-Gen approaches. <i>Journal of Systematics and Evolution</i> , 2015, 53, 371-379.	1.6	174
6	Tracking <i>sesamin synthase</i> gene expression through seed maturity in wild and cultivated sesame species – a domestication footprint. <i>Plant Biology</i> , 2015, 17, 1039-1046.	1.8	16
7	Generation of Triple-Transgenic <i>Forsythia</i> Cell Cultures as a Platform for the Efficient, Stable, and Sustainable Production of Lignans. <i>PLoS ONE</i> , 2015, 10, e0144519.	1.1	20
8	Essences in Metabolic Engineering of Lignan Biosynthesis. <i>Metabolites</i> , 2015, 5, 270-290.	1.3	84
9	Next-Generation Sequencing (NGS) Tools and Impact in Plant Breeding. , 2015, , 563-612.		8
10	ocsESTdb: a database of oil crop seed EST sequences for comparative analysis and investigation of a global metabolic network and oil accumulation metabolism. <i>BMC Plant Biology</i> , 2015, 15, 19.	1.6	15
11	Systematics and evolution in <i>Sesamum</i> L. (Pedaliaceae), part 1: Evidence regarding the origin of sesame and its closest relatives. <i>Webbia</i> , 2015, 70, 1-42.	0.1	20
12	Inheritance and molecular mapping of a novel dominant genic male-sterile gene in <i>Sesamum indicum</i> L.. <i>Molecular Breeding</i> , 2015, 35, 1.	1.0	10
13	Regulation of FA and TAG biosynthesis pathway genes in endosperms and embryos of high and low oil content genotypes of <i>Jatropha curcas</i> L. <i>Plant Physiology and Biochemistry</i> , 2015, 94, 253-267.	2.8	23
14	The Genome of <i>Dendrobium officinale</i> Illuminates the Biology of the Important Traditional Chinese Orchid Herb. <i>Molecular Plant</i> , 2015, 8, 922-934.	3.9	228
15	Genome-wide identification and analysis of the MADS-box gene family in sesame. <i>Gene</i> , 2015, 569, 66-76.	1.0	37
17	A draft genome of field pennycress (<i>Thlaspi arvense</i>) provides tools for the domestication of a new winter biofuel crop. <i>DNA Research</i> , 2015, 22, 121-131.	1.5	86
18	DNA Sequencing, Other Omics and Synthetic Biology. , 2015, , 125-140.		0
19	Identification, evolution, and expression partitioning of miRNAs in allopolyploid <i>Brassica napus</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 7241-7253.	2.4	44

#	ARTICLE	IF	CITATIONS
20	Genetic discovery for oil production and quality in sesame. <i>Nature Communications</i> , 2015, 6, 8609.	5.8	183
21	Non-specific lipid transfer proteins in plants: presenting new advances and an integrated functional analysis. <i>Journal of Experimental Botany</i> , 2015, 66, 5663-5681.	2.4	212
22	Analysis of Fatty Acid and Lignan Composition of Indian Germplasm of Sesame to Evaluate Their Nutritional Merits. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2015, 92, 65-76.	0.8	18
23	Sinbase: An Integrated Database to Study Genomics, Genetics and Comparative Genomics in <i>Sesamum indicum</i> . <i>Plant and Cell Physiology</i> , 2015, 56, e2-e2.	1.5	46
24	Global Transcriptomic Analysis Reveals the Mechanism of <i>Phelipanche aegyptiaca</i> Seed Germination. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1139.	1.8	22
25	Whole genome homology-based identification of candidate genes for drought tolerance in sesame (<i>Sesamum indicum</i> L.). <i>African Journal of Biotechnology</i> , 2016, 15, 1464-1475.	0.3	22
26	Exploring Genetic Diversity in Plants Using High-Throughput Sequencing Techniques. <i>Current Genomics</i> , 2016, 17, 358-367.	0.7	51
27	Genetic Diversity, Population Structure, and Association Mapping of 10 Agronomic Traits in Sesame. <i>Crop Science</i> , 2016, 56, 331-343.	0.8	8
28	Analysis of Genetic Diversity and Population Structure of Sesame Accessions from Africa and Asia as Major Centers of Its Cultivation. <i>Genes</i> , 2016, 7, 14.	1.0	51
29	RNAi-mediated down-regulation of the expression of <i>OsFAD2-1</i> : effect on lipid accumulation and expression of lipid biosynthetic genes in the rice grain. <i>BMC Plant Biology</i> , 2016, 16, 189.	1.6	26
30	Identification of Sesame Genomic Variations from Genome Comparison of Landrace and Variety. <i>Frontiers in Plant Science</i> , 2016, 7, 1169.	1.7	48
31	Genome-Wide Investigation of <i>Hsf</i> Genes in Sesame Reveals Their Segmental Duplication Expansion and Their Active Role in Drought Stress Response. <i>Frontiers in Plant Science</i> , 2016, 7, 1522.	1.7	77
32	Landscape of genomic diversity and trait discovery in soybean. <i>Scientific Reports</i> , 2016, 6, 23598.	1.6	151
33	Comparative transcriptome profiling of the fertile and sterile flower buds of a dominant genic male sterile line in sesame (<i>Sesamum indicum</i> L.). <i>BMC Plant Biology</i> , 2016, 16, 250.	1.6	20
34	Ultra-dense SNP genetic map construction and identification of <i>SiDt</i> gene controlling the determinate growth habit in <i>Sesamum indicum</i> L.. <i>Scientific Reports</i> , 2016, 6, 31556.	1.6	65
35	High-throughput single nucleotide polymorphism (SNP) identification and mapping in the sesame (<i>Sesamum indicum</i> L.) genome with genotyping by sequencing (GBS) analysis. <i>Molecular Breeding</i> , 2016, 36, 1.	1.0	29
36	Survey of the genome of <i>Pogostemon cablin</i> provides insights into its evolutionary history and sesquiterpenoid biosynthesis. <i>Scientific Reports</i> , 2016, 6, 26405.	1.6	21
37	Assessment of genetic diversity amongst Ugandan sesame (<i>Sesamum indicum</i> L.) landraces based on agromorphological traits and genetic markers. <i>Journal of Crop Science and Biotechnology</i> , 2016, 19, 117-124.	0.7	17

#	ARTICLE	IF	CITATIONS
38	Reconstructing the evolutionary history of gypsy retrotransposons in the Périgord black truffle (<i>Tuber melanosporum</i> Vittad.). <i>Mycorrhiza</i> , 2016, 26, 553-563.	1.3	7
39	A physical map of important QTLs, functional markers and genes available for sesame breeding programs. <i>Physiology and Molecular Biology of Plants</i> , 2016, 22, 613-619.	1.4	17
40	Insight into the AP2/ERF transcription factor superfamily in sesame and expression profiling of DREB subfamily under drought stress. <i>BMC Plant Biology</i> , 2016, 16, 171.	1.6	116
41	Metabolic Engineering of Lignan Biosynthesis Pathways for the Production of Transgenic Plant-Based Foods. , 2016, , 1-26.		2
42	Updated sesame genome assembly and fine mapping of plant height and seed coat color QTLs using a new high-density genetic map. <i>BMC Genomics</i> , 2016, 17, 31.	1.2	84
43	Analysis of the Genome Sequence of the Medicinal Plant <i>Salvia miltiorrhiza</i> . <i>Molecular Plant</i> , 2016, 9, 949-952.	3.9	255
44	Enhancement of ω -3 fatty acid content in transgenic tobacco seeds by targeting a plastidial ω -3 fatty acid desaturase (<i>fad7</i>) gene of <i>Sesamum indicum</i> to ER. <i>Plant Cell Reports</i> , 2016, 35, 213-226.	2.8	27
45	Large-Scale Analyses of Angiosperm Nucleotide-Binding Site-Leucine-Rich Repeat Genes Reveal Three Anciently Diverged Classes with Distinct Evolutionary Patterns. <i>Plant Physiology</i> , 2016, 170, 2095-2109.	2.3	269
46	Of dups and dinos: evolution at the K/Pg boundary. <i>Current Opinion in Plant Biology</i> , 2016, 30, 62-69.	3.5	64
47	Metabolic engineering of fatty acid biosynthetic pathway in sesame (<i>Sesamum indicum</i> L.): assembling tools to develop nutritionally desirable sesame seed oil. <i>Phytochemistry Reviews</i> , 2016, 15, 799-811.	3.1	23
48	Genome-Wide Convergence during Evolution of Mangroves from Woody Plants. <i>Molecular Biology and Evolution</i> , 2017, 34, msw277.	3.5	43
49	Dynamic transcriptome landscape of sesame (<i>Sesamum indicum</i> L.) under progressive drought and after rewatering. <i>Genomics Data</i> , 2017, 11, 122-124.	1.3	24
50	Metabolic Engineering of Lignan Biosynthesis Pathways for the Production of Transgenic Plant-Based Foods. <i>Reference Series in Phytochemistry</i> , 2017, , 373-398.	0.2	1
51	Comparative transcriptome analysis of <i>Ziziphus jujuba</i> infected by jujube witches' broom phytoplasmas. <i>Scientia Horticulturae</i> , 2017, 226, 50-58.	1.7	21
52	Genome of wild olive and the evolution of oil biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9413-E9422.	3.3	233
53	Spatial organization of silybin biosynthesis in milk thistle [<i>Silybum marianum</i> (L.) Gaertn]. <i>Plant Journal</i> , 2017, 92, 995-1004.	2.8	41
54	Development of an SSR-based genetic map in sesame and identification of quantitative trait loci associated with charcoal rot resistance. <i>Scientific Reports</i> , 2017, 7, 8349.	1.6	31
55	Transcriptomic, biochemical and physio-anatomical investigations shed more light on responses to drought stress in two contrasting sesame genotypes. <i>Scientific Reports</i> , 2017, 7, 8755.	1.6	62

#	ARTICLE	IF	CITATIONS
56	SesameFG: an integrated database for the functional genomics of sesame. <i>Scientific Reports</i> , 2017, 7, 2342.	1.6	22
57	Transcriptome comparative analysis of two <i>Camellia</i> species reveals lipid metabolism during mature seed natural drying. <i>Trees - Structure and Function</i> , 2017, 31, 1827-1848.	0.9	8
58	Genome evolutionary dynamics followed by diversifying selection explains the complexity of the <i>Sesamum indicum</i> genome. <i>BMC Genomics</i> , 2017, 18, 257.	1.2	17
59	Transcriptome analysis explores genes related to shikonin biosynthesis in <i>Lithospermeae</i> plants and provides insights into <i>Boraginales</i> ™ evolutionary history. <i>Scientific Reports</i> , 2017, 7, 4477.	1.6	26
60	Impairing both <i>HMA4</i> homeologs is required for cadmium reduction in tobacco. <i>Plant, Cell and Environment</i> , 2017, 40, 364-377.	2.8	37
61	Oxidative rearrangement of (+)-sesamin by CYP92B14 co-generates twin dietary lignans in sesame. <i>Nature Communications</i> , 2017, 8, 2155.	5.8	45
62	Lignan Biosynthesis for Food Bioengineering. , 2017, , 351-379.		1
63	The Emerging Oilseed Crop <i>Sesamum indicum</i> Enters the "Omics" Era. <i>Frontiers in Plant Science</i> , 2017, 8, 1154.	1.7	107
64	Development of Highly Informative Genome-Wide Single Sequence Repeat Markers for Breeding Applications in Sesame and Construction of a Web Resource: SisatBase. <i>Frontiers in Plant Science</i> , 2017, 8, 1470.	1.7	29
65	Functional Characterization of the Versatile MYB Gene Family Uncovered Their Important Roles in Plant Development and Responses to Drought and Waterlogging in Sesame. <i>Genes</i> , 2017, 8, 362.	1.0	61
66	Genome-wide analysis of WRKY gene family in the sesame genome and identification of the WRKY genes involved in responses to abiotic stresses. <i>BMC Plant Biology</i> , 2017, 17, 152.	1.6	94
67	Enhancing sesame production in West Africa™s Sahel: a comprehensive insight into the cultivation of this untapped crop in Senegal and Mali. <i>Agriculture and Food Security</i> , 2017, 6, .	1.6	15
68	Genome-wide searches and molecular analyses highlight the unique evolutionary path of flavone synthase I (FNSI) in <i>Apiaceae</i> . <i>Genome</i> , 2018, 61, 103-109.	0.9	7
69	Relationship of Parental Genetic Distance with Heterosis and Specific Combining Ability in Sesame (<i>Sesamum indicum</i> L.) Based on Phenotypic and Molecular Marker Analysis. <i>Biochemical Genetics</i> , 2018, 56, 188-209.	0.8	11
70	Genome-wide identification and expression analyses of genes involved in raffinose accumulation in sesame. <i>Scientific Reports</i> , 2018, 8, 4331.	1.6	39
71	Convergent adaptive evolution in marginal environments: unloading transposable elements as a common strategy among mangrove genomes. <i>New Phytologist</i> , 2018, 217, 428-438.	3.5	69
72	Photoperiod response-related gene <i>SiCOL1</i> contributes to flowering in sesame. <i>BMC Plant Biology</i> , 2018, 18, 343.	1.6	17
73	Transcriptome reprogramming during severe dehydration contributes to physiological and metabolic changes in the resurrection plant <i>Haberlea rhodopensis</i> . <i>BMC Plant Biology</i> , 2018, 18, 351.	1.6	40

#	ARTICLE	IF	CITATIONS
74	An integrated omics analysis reveals molecular mechanisms that are associated with differences in seed oil content between <i>Glycine max</i> and <i>Brassica napus</i> . <i>BMC Plant Biology</i> , 2018, 18, 328.	1.6	23
75	Evolution of ALOG gene family suggests various roles in establishing plant architecture of <i>Torenia fournieri</i> . <i>BMC Plant Biology</i> , 2018, 18, 204.	1.6	6
76	Cytological characterization and molecular mapping of a novel recessive genic male sterility in sesame (<i>Sesamum indicum</i> L.). <i>PLoS ONE</i> , 2018, 13, e0204034.	1.1	8
77	Molecular mechanism of the extended oil accumulation phase contributing to the high seed oil content for the genotype of tung tree (<i>Vernicia fordii</i>). <i>BMC Plant Biology</i> , 2018, 18, 248.	1.6	8
78	Genome-Wide Association Studies of 39 Seed Yield-Related Traits in Sesame (<i>Sesamum indicum</i> L.). <i>International Journal of Molecular Sciences</i> , 2018, 19, 2794.	1.8	30
79	Factors Influencing Gene Family Size Variation Among Related Species in a Plant Family, Solanaceae. <i>Genome Biology and Evolution</i> , 2018, 10, 2596-2613.	1.1	54
80	Genome-wide identification and comprehensive analysis of the NAC transcription factor family in <i>Sesamum indicum</i> . <i>PLoS ONE</i> , 2018, 13, e0199262.	1.1	29
81	High-quality assembly of the reference genome for scarlet sage, <i>Salvia splendens</i> , an economically important ornamental plant. <i>GigaScience</i> , 2018, 7, .	3.3	49
82	GWAS Uncovers Differential Genetic Bases for Drought and Salt Tolerances in Sesame at the Germination Stage. <i>Genes</i> , 2018, 9, 87.	1.0	72
83	Identification and characterization of the bZIP transcription factor family and its expression in response to abiotic stresses in sesame. <i>PLoS ONE</i> , 2018, 13, e0200850.	1.1	57
84	GinMicrosatDb: a genome-wide microsatellite markers database for sesame (<i>Sesamum indicum</i> L.). <i>Physiology and Molecular Biology of Plants</i> , 2018, 24, 929-937.	1.4	6
85	Phylogenomics of the olive tree (<i>Olea europaea</i>) reveals the relative contribution of ancient allo- and autopolyploidization events. <i>BMC Biology</i> , 2018, 16, 15.	1.7	30
86	Sequencing Plant Genomes. <i>Progress in Botany Fortschritte Der Botanik</i> , 2018, , 109-193.	0.1	4
87	Overexpression of BraLTP2, a Lipid Transfer Protein of <i>Brassica napus</i> , Results in Increased Trichome Density and Altered Concentration of Secondary Metabolites. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1733.	1.8	21
88	Gene network of oil accumulation reveals expression profiles in developing embryos and fatty acid composition in Upland cotton. <i>Journal of Plant Physiology</i> , 2018, 228, 101-112.	1.6	46
89	Genome sequence of <i>Jatropha curcas</i> L., a non-edible biodiesel plant, provides a resource to improve seed-related traits. <i>Plant Biotechnology Journal</i> , 2019, 17, 517-530.	4.1	56
90	Trends in herbgenomics. <i>Science China Life Sciences</i> , 2019, 62, 288-308.	2.3	46
91	Depicting the Core Transcriptome Modulating Multiple Abiotic Stresses Responses in Sesame (<i>Sesamum</i>) Tj ETQq1_1_0.784314 rgBT	1.8	45

#	ARTICLE	IF	CITATIONS
92	Root diversity in sesame (<i>Sesamum indicum</i> L.): insights into the morphological, anatomical and gene expression profiles. <i>Planta</i> , 2019, 250, 1461-1474.	1.6	20
93	Convergent horizontal gene transfer and cross-talk of mobile nucleic acids in parasitic plants. <i>Nature Plants</i> , 2019, 5, 991-1001.	4.7	72
94	Transcriptomic profiling of sesame during waterlogging and recovery. <i>Scientific Data</i> , 2019, 6, 204.	2.4	18
95	Phylotranscriptomic analyses reveal asymmetrical gene duplication dynamics and signatures of ancient polyploidy in mints. <i>Genome Biology and Evolution</i> , 2019, 11, 3393-3408.	1.1	21
96	A draft genome assembly of halophyte <i>Suaeda aralocaspica</i> , a plant that performs C4 photosynthesis within individual cells. <i>GigaScience</i> , 2019, 8, .	3.3	23
97	Sesame: Bioactive Compounds and Health Benefits. <i>Reference Series in Phytochemistry</i> , 2019, , 181-200.	0.2	21
98	Whole-genome re-sequencing reveals the impact of the interaction of copy number variants of the <i>Rhg1</i> and <i>Rhg4</i> genes on broad-spectrum based resistance to soybean cyst nematode. <i>Plant Biotechnology Journal</i> , 2019, 17, 1595-1611.	4.1	65
99	Genome-wide association study of vitamin E using genotyping by sequencing in sesame (<i>Sesamum</i>) Tj ETQq1 1 0.784314 rgBT /Overlap 0.5 14	0.5	14
100	Genome-Wide Identification and Expression Analysis of the NAC Transcription Factor Family in Pineapple. <i>Tropical Plant Biology</i> , 2019, 12, 255-267.	1.0	7
101	Gene expression profiles that shape high and low oil content sesames. <i>BMC Genetics</i> , 2019, 20, 45.	2.7	18
102	The Carrot Nuclear Genome and Comparative Analysis. <i>Compendium of Plant Genomes</i> , 2019, , 187-204.	0.3	1
103	Herbgenomics: A stepping stone for research into herbal medicine. <i>Science China Life Sciences</i> , 2019, 62, 913-920.	2.3	22
104	Unbiased subgenome evolution following a recent whole-genome duplication in pear (<i>Pyrus</i>) Tj ETQq0 0 0 rgBT /Overlap 2.9 10 54 50 262 T	2.9	54
105	<i>De novo</i> origination of <i>MIRNAs</i> through generation of short inverted repeats in target genes. <i>RNA Biology</i> , 2019, 16, 846-859.	1.5	14
106	Gene duplication and evolution in recurring polyploidization-diploidization cycles in plants. <i>Genome Biology</i> , 2019, 20, 38.	3.8	542
107	The genetic basis of drought tolerance in the high oil crop <i>Sesamum indicum</i> . <i>Plant Biotechnology Journal</i> , 2019, 17, 1788-1803.	4.1	63
108	Potential for Adaptation to Climate Change Through Genomic Breeding in Sesame. , 2019, , 371-440.		17
109	Tung Tree (<i>Vernicia fordii</i>) Genome Provides A Resource for Understanding Genome Evolution and Improved Oil Production. <i>Genomics, Proteomics and Bioinformatics</i> , 2019, 17, 558-575.	3.0	43

#	ARTICLE	IF	CITATIONS
110	Influence of pollen sources on the expression of FA and TAG biosynthetic pathway genes in seeds of <i>Paeonia rockii</i> during the rapid oil accumulation. <i>Scientia Horticulturae</i> , 2019, 243, 477-483.	1.7	16
111	The genome of the medicinal plant <i>Andrographis paniculata</i> provides insight into the biosynthesis of the bioactive diterpenoid neoandrographolide. <i>Plant Journal</i> , 2019, 97, 841-857.	2.8	75
112	Insight into the evolution and functional characteristics of the pan-genome assembly from sesame landraces and modern cultivars. <i>Plant Biotechnology Journal</i> , 2019, 17, 881-892.	4.1	79
113	Comparative genome/transcriptome analysis probes Boraginales' phylogenetic position, WGDs in Boraginales, and key enzyme genes in the alkannin/shikonin core pathway. <i>Molecular Ecology Resources</i> , 2020, 20, 228-241.	2.2	24
114	Genotypic Variation in Fatty Acids in Whole Grain Sesame (Fatty Acids in Whole Grain Sesame). <i>Journal of Crop Science and Biotechnology</i> , 2020, 23, 9-20.	0.7	1
115	Blue genome: chromosome-scale genome reveals the evolutionary and molecular basis of indigo biosynthesis in <i>Strobilanthes cusia</i> . <i>Plant Journal</i> , 2020, 104, 864-879.	2.8	15
116	Fine mapping of a novel male-sterile mutant showing wrinkled-leaf in sesame by BSA-Seq technology. <i>Industrial Crops and Products</i> , 2020, 156, 112862.	2.5	9
117	Asterid Phylogenomics/Phylotranscriptomics Uncover Morphological Evolutionary Histories and Support Phylogenetic Placement for Numerous Whole-Genome Duplications. <i>Molecular Biology and Evolution</i> , 2020, 37, 3188-3210.	3.5	82
118	A high-quality reference genome sequence of <i>Salvia miltiorrhiza</i> provides insights into tanshinone synthesis in its red rhizomes. <i>Plant Genome</i> , 2020, 13, e20041.	1.6	45
119	Development of High-Resolution Simple Sequence Repeat Markers through Expression Profiling of Genes Associated with Pod Maturity of Soybean. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6363.	1.3	0
120	Candidate genes involved in the biosynthesis of lignan in <i>Schisandra chinensis</i> fruit based on transcriptome and metabolomes analysis. <i>Chinese Journal of Natural Medicines</i> , 2020, 18, 684-695.	0.7	8
121	Transcriptome Dynamics during Black and White Sesame (<i>Sesamum indicum</i> L.) Seed Development and Identification of Candidate Genes Associated with Black Pigmentation. <i>Genes</i> , 2020, 11, 1399.	1.0	25
122	Comparative Genome Analysis of <i>Scutellaria baicalensis</i> and <i>Scutellaria barbata</i> Reveals the Evolution of Active Flavonoid Biosynthesis. <i>Genomics, Proteomics and Bioinformatics</i> , 2020, 18, 230-240.	3.0	49
123	Chromosome Level Genome Assembly of <i>Andrographis paniculata</i> . <i>Frontiers in Genetics</i> , 2020, 11, 701.	1.1	14
124	Convergent adaptation of the genomes of woody plants at the land-sea interface. <i>National Science Review</i> , 2020, 7, 978-993.	4.6	44
125	Chromatin Architectures Are Associated with Response to Dark Treatment in the Oil Crop <i>Sesamum indicum</i> , Based on a High-Quality Genome Assembly. <i>Plant and Cell Physiology</i> , 2020, 61, 978-987.	1.5	7
126	Sustainable Sesame (<i>Sesamum indicum</i> L.) Production through Improved Technology: An Overview of Production, Challenges, and Opportunities in Myanmar. <i>Sustainability</i> , 2020, 12, 3515.	1.6	65
127	Gene expression profiling identifies pathways involved in seed maturation of <i>Jatropha curcas</i> . <i>BMC Genomics</i> , 2020, 21, 290.	1.2	2

#	ARTICLE	IF	CITATIONS
128	Identification and in silico evaluation of bHLH genes in the <i>Sesamum indicum</i> genome: Growth regulation and stress dealing specially through the metal ions homeostasis and flavonoid biosynthesis. <i>Gene Reports</i> , 2020, 19, 100639.	0.4	2
129	Comparative Analysis of Root Transcriptome Profiles of Sesame (<i>Sesamum indicum</i> L.) in Response to Osmotic Stress. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1787-1801.	2.8	8
130	High-resolution temporal transcriptome sequencing unravels ERF and WRKY as the master players in the regulatory networks underlying sesame responses to waterlogging and recovery. <i>Genomics</i> , 2021, 113, 276-290.	1.3	21
131	Sinbase 2.0: An Updated Database to Study Multi-Omics in <i>Sesamum indicum</i> . <i>Plants</i> , 2021, 10, 272.	1.6	6
132	Prospect of Designed Breeding in Sesame in the Post-genomics Era. <i>Compendium of Plant Genomes</i> , 2021, , 291-296.	0.3	2
133	De novo genome assembly of the potent medicinal plant <i>Rehmannia glutinosa</i> using nanopore technology. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 3954-3963.	1.9	26
134	Genome Annotation and Gene Families in Sesame. <i>Compendium of Plant Genomes</i> , 2021, , 255-266.	0.3	2
135	The Sesame Genome for Gene Discovery in Sesame. <i>Compendium of Plant Genomes</i> , 2021, , 283-290.	0.3	2
136	A global survey of the gene network and key genes for oil accumulation in cultivated tetraploid cottons. <i>Plant Biotechnology Journal</i> , 2021, 19, 1170-1182.	4.1	18
137	Assessment of genetic diversity in Moroccan sesame (<i>Sesamum indicum</i>) using ISSR molecular markers. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2021, 28, 3.	0.6	10
138	Lignans of Sesame (<i>Sesamum indicum</i> L.): A Comprehensive Review. <i>Molecules</i> , 2021, 26, 883.	1.7	92
139	A novel motif in the 5'UTR of an orphan gene <i>Big Root Biomass</i> modulates root biomass in sesame. <i>Plant Biotechnology Journal</i> , 2021, 19, 1065-1079.	4.1	18
140	Functioning of PPR Proteins in Organelle RNA Metabolism and Chloroplast Biogenesis. <i>Frontiers in Plant Science</i> , 2021, 12, 627501.	1.7	38
141	QTL-Seq and Transcriptome Analysis Disclose Major QTL and Candidate Genes Controlling Leaf Size in Sesame (<i>Sesamum indicum</i> L.). <i>Frontiers in Plant Science</i> , 2021, 12, 580846.	1.7	14
142	QTL mapping of PEG-induced drought tolerance at the early seedling stage in sesame using whole genome re-sequencing. <i>PLoS ONE</i> , 2021, 16, e0247681.	1.1	16
143	Insights into triterpene synthesis and unsaturated fatty-acid accumulation provided by chromosomal-level genome analysis of <i>Akebia trifoliata</i> subsp. <i>australis</i> . <i>Horticulture Research</i> , 2021, 8, 33.	2.9	23
144	The mechanism of sesame resistance against <i>Macrophomina phaseolina</i> was revealed via a comparison of transcriptomes of resistant and susceptible sesame genotypes. <i>BMC Plant Biology</i> , 2021, 21, 159.	1.6	16
145	Genome-wide analyses of tandem repeats and transposable elements in patchouli. <i>Genes and Genetic Systems</i> , 2021, 96, 81-87.	0.2	1

#	ARTICLE	IF	CITATIONS
146	Genome-Wide Analysis of nsLTP Gene Family and Identification of sLTPs Contributing to High Oil Accumulation in Sesame (<i>Sesamum indicum</i> L.). <i>International Journal of Molecular Sciences</i> , 2021, 22, 5291.	1.8	20
147	Chromosomal-Level Reference Genome of the Neotropical Tree <i>Jacaranda mimosifolia</i> D. Don. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	7
148	Genome-wide association study of seed coat color in sesame (<i>Sesamum indicum</i> L.). <i>PLoS ONE</i> , 2021, 16, e0251526.	1.1	23
149	Global Transcriptome Analyses Provide Into Several Fatty Acid Biosynthesis-related Genes in Peanut (<i>Arachis hypogaea</i> L.). <i>Tropical Plant Biology</i> , 2021, 14, 267-282.	1.0	5
150	Genome-wide association study and its applications in the non-model crop <i>Sesamum indicum</i> . <i>BMC Plant Biology</i> , 2021, 21, 283.	1.6	20
151	Fine Mapping of a Major Pleiotropic QTL Associated with Sesamin and Sesamolin Variation in Sesame (<i>Sesamum indicum</i> L.). <i>Plants</i> , 2021, 10, 1343.	1.6	15
152	Genomic insights into the fast growth of paulownias and the formation of Paulownia witches' broom. <i>Molecular Plant</i> , 2021, 14, 1668-1682.	3.9	39
153	QTL mapping of yield-related traits in sesame. <i>Molecular Breeding</i> , 2021, 41, 1.	1.0	8
154	CRISPR-based genome editing technology and its applications in oil crops. <i>Oil Crop Science</i> , 2021, 6, 105-113.	0.9	9
155	Genome-wide analysis of butterfly bush (<i>Buddleja alternifolia</i>) in three uplands provides insights into biogeography, demography and speciation. <i>New Phytologist</i> , 2021, 232, 1463-1476.	3.5	21
156	Transcriptome analysis of sesame- <i>Macrophomina phaseolina</i> interactions revealing the distinct genetic components for early defense responses. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 1675-1693.	1.4	6
157	Chromosome-scale assembly and evolution of the tetraploid <i>Salvia splendens</i> (Lamiaceae) genome. <i>Horticulture Research</i> , 2021, 8, 177.	2.9	27
158	Leaf size modulation by cytokinins in sesame plants. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 763-770.	2.8	8
159	Molecular Mapping and Breeding in Sesame. <i>Compendium of Plant Genomes</i> , 2021, , 159-177.	0.3	1
161	Building an octaploid genome and transcriptome of the medicinal plant <i>Pogostemon cablin</i> from Lamiales. <i>Scientific Data</i> , 2018, 5, 180274.	2.4	17
162	Integration of RNA-Seq profiling with genome-wide association study predicts candidate genes for oil accumulation in soybean. <i>Crop and Pasture Science</i> , 2020, 71, 996.	0.7	5
163	Tolerant and Susceptible Sesame Genotypes Reveal Waterlogging Stress Response Patterns. <i>PLoS ONE</i> , 2016, 11, e0149912.	1.1	42
164	An Integrated Bioinformatics Analysis Reveals Divergent Evolutionary Pattern of Oil Biosynthesis in High- and Low-Oil Plants. <i>PLoS ONE</i> , 2016, 11, e0154882.	1.1	21

#	ARTICLE	IF	CITATIONS
166	Analysis of Molecular Variance and Population Structure of Sesame (<i>Sesamum indicum</i> L.) Genotypes Using Simple Sequence Repeat Markers. <i>Plant Breeding and Biotechnology</i> , 2018, 6, 321-336.	0.3	8
167	Oil plant genomes: current state of the science. <i>Journal of Experimental Botany</i> , 2022, 73, 2859-2874.	2.4	16
168	Greenc 2.0: a comprehensive database of plant long non-coding RNAs. <i>Nucleic Acids Research</i> , 2022, 50, D1442-D1447.	6.5	33
170	Sesame: Bioactive Compounds and Health Benefits. <i>Reference Series in Phytochemistry</i> , 2018, , 1-20.	0.2	0
171	Positively Selected Orthologous Genes Identified in Sesame (<i>Sesamum indicum</i>) by Deep Resequencing. <i>Plant Breeding and Biotechnology</i> , 2019, 7, 24-33.	0.3	0
176	Genetic Potential and Possible Improvement of <i>Sesamum indicum</i> L. , 0, , .		1
177	Mass Spectrometric Identification of Antimicrobial Peptides from Medicinal Seeds. <i>Molecules</i> , 2021, 26, 7304.	1.7	3
178	Mapping the major quantitative trait loci of the heading date trait in Qingke barley (<i>Hordeum vulgare</i>) Tj ETQq1 1 0.784314 rgBT /Over Transgender Health, 2021, 14, 882-893.	1.1	2
179	Systematic analysis of HD-ZIP transcription factors in sesame genome and gene expression profiling of SiHD-ZIP class I entailing drought stress responses at early seedling stage. <i>Molecular Biology Reports</i> , 2022, 49, 2059-2071.	1.0	5
182	Effects of Different Irrigation Levels on Selected Crop Parameters of Sesame (<i>Sesamum indicum</i> L.) Under Semi-Arid Highland Conditions in Turkey. <i>European Journal of Science and Technology</i> , 0, , .	0.5	0
184	Comparative genomics reveal the convergent evolution of CYP82D and CYP706X members related to flavone biosynthesis in Lamiaceae and Asteraceae. <i>Plant Journal</i> , 2022, 109, 1305-1318.	2.8	12
185	Review on the Development and Applications of Medicinal Plant Genomes. <i>Frontiers in Plant Science</i> , 2021, 12, 791219.	1.7	18
186	A chromosome-level genome assembly of chia provides insights into high omega-3 content and coat color variation of its seeds. <i>Plant Communications</i> , 2022, 3, 100326.	3.6	14
188	Current Research Trends and Prospects for Yield and Quality Improvement in Sesame, an Important Oilseed Crop. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	14
189	Transcriptomic analysis of high oil-yielding cultivated white sesame and low oil-yielding wild black sesame seeds reveal differentially expressed genes for oil and seed coat colour. <i>Nucleus (India)</i> , 2022, 65, 151-164.	0.9	7
190	Transcriptome analysis and identification of genes associated with oil accumulation in upland cotton. <i>Physiologia Plantarum</i> , 2022, 174, e13701.	2.6	8
191	Transcriptome analysis combined with metabolome analysis reveals the significant functions of Cesa genes in cotton (<i>Gossypium hirsutum</i>) fiber length development. <i>Biocell</i> , 2022, 46, 2133-2144.	0.4	0
192	Genome-wide association analysis and transcriptome reveal novel loci and a candidate regulatory gene of fatty acid biosynthesis in sesame (<i>Sesamum indicum</i> L.). <i>Plant Physiology and Biochemistry</i> , 2022, 186, 220-231.	2.8	8

#	ARTICLE	IF	CITATIONS
193	Characterization of Peroxidase and Laccase Gene Families and In Silico Identification of Potential Genes Involved in Upstream Steps of Lignan Formation in Sesame. <i>Life</i> , 2022, 12, 1200.	1.1	4
194	Antioxidant lignans sesamin and sesamol in sesame (<i>Sesamum indicum</i> L.): A comprehensive review and future prospects. <i>Journal of Integrative Agriculture</i> , 2023, 22, 14-30.	1.7	6
195	Genetic Improvement in Sesame (<i>Sesamum indicum</i> L.): Progress and Outlook: A Review. <i>Agronomy</i> , 2022, 12, 2144.	1.3	11
196	Metabolome genome-wide association study provides biochemical and genetic insights into natural variation of primary metabolites in sesame. <i>Plant Journal</i> , 2022, 112, 1051-1069.	2.8	2
198	Genetic diversity using biochemical, physiological, karyological and molecular markers of <i>Sesamum indicum</i> L. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	8
199	The wild allotetraploid sesame genome provides novel insights into evolution and lignan biosynthesis. <i>Journal of Advanced Research</i> , 2023, 50, 13-24.	4.4	8
200	A high-throughput skim-sequencing approach for genotyping, dosage estimation and identifying translocations. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
201	Discovering favorable genes, QTLs, and genotypes as a genetic resource for sesame (<i>Sesamum indicum</i>) Tj ETQq1 1.0.784314 rgBT /Ove	1.1	2
202	Improved assembly and annotation of the sesame genome. <i>DNA Research</i> , 2022, 29, .	1.5	11
204	Genome assembly of wild loquat (<i>Eriobotrya japonica</i>) and resequencing provide new insights into the genomic evolution and fruit domestication in loquat. <i>Horticulture Research</i> , 2023, 10, .	2.9	12
205	<i>Syringa oblata</i> genome provides new insights into molecular mechanism of flower color differences among individuals and biosynthesis of its flower volatiles. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	0
206	Resequencing of 410 Sesame Accessions Identifies SINST1 as the Major Underlying Gene for Lignans Variation. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1055.	1.8	5
208	Integrating transcriptome and phytohormones analysis provided insights into plant height development in sesame. <i>Plant Physiology and Biochemistry</i> , 2023, 198, 107695.	2.8	4
209	Current Progress, Applications and Challenges of Multi-Omics Approaches in Sesame Genetic Improvement. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3105.	1.8	5
210	Computational identification and systematic classification of cytochrome P450 genes in <i>Pogostemon cablin</i> provide insights into flavonoids biosynthesis. <i>Acta Physiologiae Plantarum</i> , 2023, 45, .	1.0	1
211	Generation of Sesame Mutant Population by Mutagenesis and Identification of High Oleate Mutants by GC Analysis. <i>Plants</i> , 2023, 12, 1294.	1.6	1
217	Biotechnological Approaches for Genetic Improvement of Sesame (<i>Sesamum indicum</i> L.). , 2023, , 343-368.		0
219	Insight into the Molecular Breeding Research Status for Crop Improvement in India: Prospects and Achievements. <i>Plant Molecular Biology Reporter</i> , 0, , .	1.0	1

#	ARTICLE	IF	CITATIONS
220	Nutraceutomics of the Ancient Oilseed Crop Sesame (<i>Sesamum indicum</i> L.) , 2023, , 1-32.		0
223	The status of in vitro regeneration and genetic transformation in the recalcitrant oil seed crop <i>Sesamum indicum</i> L. In <i>Vitro Cellular and Developmental Biology - Plant</i> , 0, , .	0.9	0
224	Whole-genome sequencing in medicinal plants: current progress and prospect. <i>Science China Life Sciences</i> , 2024, 67, 258-273.	2.3	0
226	Research advances and prospects of molecular markers in sesame: a review. <i>Plant Biotechnology Reports</i> , 2023, 17, 585-603.	0.9	0
237	Nutraceutomics of the Ancient Oilseed Crop Sesame (<i>Sesamum indicum</i> L.) , 2023, , 471-501.		0