

# Zhibiao Ye

## List of Publications by Year in descending order

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75  
papers

4,442  
citations

136950

32  
h-index

114465

63  
g-index

75  
all docs

75  
docs citations

75  
times ranked

4909  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic analyses provide insights into the history of tomato breeding. <i>Nature Genetics</i> , 2014, 46, 1220-1226.	21.4	801
2	Manipulation of light signal transduction as a means of modifying fruit nutritional quality in tomato. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9897-9902.	7.1	413
3	An InDel in the Promoter of <i>Al-ACTIVATED MALATE TRANSPORTER9</i> Selected during Tomato Domestication Determines Fruit Malate Contents and Aluminum Tolerance. <i>Plant Cell</i> , 2017, 29, 2249-2268.	6.6	207
4	Over-expression of sly-miR156a in tomato results in multiple vegetative and reproductive trait alterations and partial phenocopy of the <i>sft</i> mutant. <i>FEBS Letters</i> , 2011, 585, 435-439.	2.8	174
5	Trichomes as models for studying plant cell differentiation. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 1937-1948.	5.4	163
6	Overexpression of ShDHN, a dehydrin gene from <i>Solanum habrochaites</i> enhances tolerance to multiple abiotic stresses in tomato. <i>Plant Science</i> , 2015, 231, 198-211.	3.6	153
7	A STAYâ€GREEN protein <i>S</i>   <i>SGR</i> 1 regulates lycopene and Î²â€carotene accumulation by interacting directly with <i>S</i>   <i>PSY</i> 1 during ripening processes in tomato. <i>New Phytologist</i> , 2013, 198, 442-452.	7.3	149
8	A tomato Bâ€box protein <i>Sl</i>   <i>BBX</i> 20 modulates carotenoid biosynthesis by directly activating <i>Sl</i>   <i>PHYTOENE SYNTHASE</i> 1, and is targeted for 26S proteasomeâ€mediated degradation. <i>New Phytologist</i> , 2019, 221, 279-294.	7.3	127
9	The tomato <i>HD</i> â€Zip I transcription factor <i>Sl</i>   <i>HZ</i> 24 modulates ascorbate accumulation through positive regulation of the <i>d</i> â€mannose/ <i>l</i> â€galactose pathway. <i>Plant Journal</i> , 2016, 85, 16-29.	5.7	116
10	Members of the tomato FRUITFULL MADS-box family regulate style abscission and fruit ripening. <i>Journal of Experimental Botany</i> , 2014, 65, 3005-3014.	4.8	113
11	Overexpression of annexin gene <i>AnnSp2</i> , enhances drought and salt tolerance through modulation of ABA synthesis and scavenging ROS in tomato. <i>Scientific Reports</i> , 2017, 7, 12087.	3.3	97
12	<i>Hair</i> , encoding a single C2H2 zincâ€finger protein, regulates multicellular trichome formation in tomato. <i>Plant Journal</i> , 2018, 96, 90-102.	5.7	97
13	Overexpression of calmodulin-like ( <i>ShCML44</i> ) stress-responsive gene from <i>Solanum habrochaites</i> enhances tolerance to multiple abiotic stresses. <i>Scientific Reports</i> , 2016, 6, 31772.	3.3	95
14	Differential Modulation of Photosynthesis, Signaling, and Transcriptional Regulation between Tolerant and Sensitive Tomato Genotypes under Cold Stress. <i>PLoS ONE</i> , 2012, 7, e50785.	2.5	91
15	Expression and diversification analysis reveals transposable elements play important roles in the origin of <i>Lycopersicon</i> â€specific <i>lncRNA</i> s in tomato. <i>New Phytologist</i> , 2016, 209, 1442-1455.	7.3	87
16	The C2H2 zincâ€finger protein <i>Sl</i>   <i>ZF</i> 3 regulates AsA synthesis and salt tolerance by interacting with <i>CSN</i> 5B. <i>Plant Biotechnology Journal</i> , 2018, 16, 1201-1213.	8.3	82
17	Genome-wide identification, characterization and expression analysis of calmodulin-like (CML) proteins in tomato ( <i>Solanum lycopersicum</i> ). <i>Plant Physiology and Biochemistry</i> , 2016, 102, 167-179.	5.8	73
18	Transcriptome Profiling of Tomato Fruit Development Reveals Transcription Factors Associated with Ascorbic Acid, Carotenoid and Flavonoid Biosynthesis. <i>PLoS ONE</i> , 2015, 10, e0130885.	2.5	72

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19	The tomato B-type cyclin gene, SlCycB2, plays key roles in reproductive organ development, trichome initiation, terpenoids biosynthesis and <i>Prodenia litura</i> defense. <i>Plant Science</i> , 2017, 262, 103-114.	3.6	71
20	Genome-wide association analysis identifies a natural variation in basic helix-loop-helix transcription factor regulating ascorbate biosynthesis via D-mannose/L-galactose pathway in tomato. <i>PLoS Genetics</i> , 2019, 15, e1008149.	3.5	66
21	ShCIGT, a Trihelix family gene, mediates cold and drought tolerance by interacting with SnRK1 in tomato. <i>Plant Science</i> , 2018, 270, 140-149.	3.6	58
22	SlNAC1, a stress-related transcription factor, is finely tuned on both the transcriptional and the post-translational level. <i>New Phytologist</i> , 2013, 197, 1214-1224.	7.3	55
23	miR156-targeted SBP-box transcription factor SlSPL13 regulates inflorescence morphogenesis by directly activating SlSFT in tomato. <i>Plant Biotechnology Journal</i> , 2020, 18, 1670-1682.	8.3	51
24	The transcription factor SlDof22 involved in ascorbate accumulation and salinity stress in tomato. <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 736-741.	2.1	48
25	Genome-wide identification and expression profiling analysis of trihelix gene family in tomato. <i>Biochemical and Biophysical Research Communications</i> , 2015, 468, 653-659.	2.1	46
26	WOOLLY, interacting with MYB transcription factor MYB31, regulates cuticular wax biosynthesis by modulating SlCER6 expression in tomato. <i>Plant Journal</i> , 2020, 103, 323-337.	5.7	44
27	SlHOMEODOMAIN PROTEIN8 mediates jasmonate-triggered trichome elongation in tomato. <i>New Phytologist</i> , 2021, 230, 1063-1077.	7.3	43
28	Transcriptome profile analysis of cell proliferation molecular processes during multicellular trichome formation induced by tomato <i>Wo v</i> gene in tobacco. <i>BMC Genomics</i> , 2015, 16, 868.	2.8	42
29	Genome-wide analysis of Myo-inositol oxygenase gene family in tomato reveals their involvement in ascorbic acid accumulation. <i>BMC Genomics</i> , 2020, 21, 284.	2.8	39
30	Molecular and functional characterization of ShNAC1, an NAC transcription factor from <i>Solanum habrochaites</i> . <i>Plant Science</i> , 2018, 271, 9-19.	3.6	37
31	SlGREEN STRIPE, encoding methylated TOMATO AGAMOUS-LIKE 1, regulates chloroplast development and Chl synthesis in fruit. <i>New Phytologist</i> , 2020, 228, 302-317.	7.3	36
32	NFY plays essential roles in flavonoid biosynthesis by modulating histone modifications in tomato. <i>New Phytologist</i> , 2021, 229, 3237-3252.	7.3	36
33	Ectopic expression of FaGalUR leads to ascorbate accumulation with enhanced oxidative stress, cold, and salt tolerance in tomato. <i>Plant Growth Regulation</i> , 2015, 76, 187-197.	3.4	35
34	An ATL78-Like RING-H2 Finger Protein Confers Abiotic Stress Tolerance through Interacting with RAV2 and CSN5B in Tomato. <i>Frontiers in Plant Science</i> , 2016, 07, 1305.	3.6	35
35	Genetic analysis and identification of QTLs for resistance to cucumber mosaic virus in chili pepper ( <i>Capsicum annuum</i> L.). <i>Euphytica</i> , 2013, 193, 135-145.	1.2	30
36	Silencing SlGRAS2 reduces fruit weight in tomato. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 498-513.	8.5	29

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37	Comprehensive analysis and expression profile of the homeodomain leucine zipper IV transcription factor family in tomato. <i>Plant Physiology and Biochemistry</i> , 2015, 96, 141-153.	5.8	27
38	SIBBX20 interacts with the COP9 signalosome subunit SICSN5-2 to regulate anthocyanin biosynthesis by activating SIDFR expression in tomato. <i>Horticulture Research</i> , 2021, 8, 163.	6.3	27
39	Fine-mapping of the woolly gene controlling multicellular trichome formation and embryonic development in tomato. <i>Theoretical and Applied Genetics</i> , 2011, 123, 625-633.	3.6	26
40	Genome-wide classification and expression analysis of nucleobase-ascorbate transporter (NAT) gene family in tomato. <i>Plant Growth Regulation</i> , 2014, 73, 19-30.	3.4	26
41	HyPRP1 Gene Suppressed by Multiple Stresses Plays a Negative Role in Abiotic Stress Tolerance in Tomato. <i>Frontiers in Plant Science</i> , 2016, 7, 967.	3.6	26
42	Rapid breeding of pink-fruited tomato hybrids using the CRISPR/Cas9 system. <i>Journal of Genetics and Genomics</i> , 2019, 46, 505-508.	3.9	26
43	SlRCM1, which encodes tomato Lutescent1, is required for chlorophyll synthesis and chloroplast development in fruits. <i>Horticulture Research</i> , 2021, 8, 128.	6.3	22
44	Cgl2 plays an essential role in cuticular wax biosynthesis in cabbage ( <i>Brassica oleracea</i> L. var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	3.6	20
45	The HD-Zip IV transcription factor SHDZIV8 controls multicellular trichome morphology by regulating the expression of <i>Hairless-2</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 7132-7145.	4.8	20
46	MAPK11 regulates seed germination and ABA signaling in tomato by phosphorylating SnRKs. <i>Journal of Experimental Botany</i> , 2021, 72, 1677-1690.	4.8	20
47	A CCAAT-binding factor, SINFYA10, negatively regulates ascorbate accumulation by modulating the d-mannose/l-galactose pathway in tomato. <i>Horticulture Research</i> , 2020, 7, 200.	6.3	19
48	Knockdown of a JmjC domain-containing gene JMJ524 confers altered gibberellin responses by transcriptional regulation of GRAS protein lacking the DELLA domain genes in tomato. <i>Journal of Experimental Botany</i> , 2015, 66, 1413-1426.	4.8	18
49	Knockdown of SINL33 accumulates ascorbate, enhances disease and oxidative stress tolerance in tomato ( <i>Solanum lycopersicum</i> ). <i>Plant Growth Regulation</i> , 2019, 89, 49-58.	3.4	18
50	Genome-wide association study reveals the genetic architecture of 27 agronomic traits in tomato. <i>Plant Physiology</i> , 2021, 186, 2078-2092.	4.8	18
51	Hair interacts with SlZFP8-like to regulate the initiation and elongation of trichomes by modulating <i>SlZFP6</i> expression in tomato. <i>Journal of Experimental Botany</i> , 2022, 73, 228-244.	4.8	18
52	An allelic variant of GAME9 determines its binding capacity with the GAME17 promoter in the regulation of steroidal glycoalkaloid biosynthesis in tomato. <i>Journal of Experimental Botany</i> , 2020, 71, 2527-2536.	4.8	17
53	UF, a WOX gene, regulates a novel phenotype of un-fused flower in tomato. <i>Plant Science</i> , 2020, 297, 110523.	3.6	16
54	Transcriptomic and functional analyses uncover the regulatory role of lncRNA000170 in tomato multicellular trichome formation. <i>Plant Journal</i> , 2020, 104, 18-29.	5.7	16

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55	A mutation in a C2H2-type zinc finger transcription factor contributed to the transition toward self-pollination in cultivated tomato. <i>Plant Cell</i> , 2021, 33, 3293-3308.	6.6	15
56	Fine mapping of the dialytic gene that controls multicellular trichome formation and stamen development in tomato. <i>Theoretical and Applied Genetics</i> , 2016, 129, 1531-1539.	3.6	14
57	Ascorbic Acid Accumulation is Transcriptionally Modulated in High-Pigment-1 Tomato Fruit. <i>Plant Molecular Biology Reporter</i> , 2014, 32, 52-61.	1.8	13
58	Tomato methionine sulfoxide reductase B2 functions in drought tolerance by promoting ROS scavenging and chlorophyll accumulation through interaction with Catalase 2 and RBCS3B. <i>Plant Science</i> , 2022, 318, 111206.	3.6	13
59	Overexpression of SLRBZ Results in Chlorosis and Dwarfism through Impairing Chlorophyll, Carotenoid, and Gibberellin Biosynthesis in Tomato. <i>Frontiers in Plant Science</i> , 2016, 7, 907.	3.6	12
60	Tomato SD1, encoding a kinase-interacting protein, is a major locus controlling stem development. <i>Journal of Experimental Botany</i> , 2020, 71, 3575-3587.	4.8	12
61	Identification and Expression Pattern of a ZPR1 Gene in Wild Tomato ( <i>Solanum Pennellii</i> ). <i>Plant Molecular Biology Reporter</i> , 2013, 31, 409-417.	1.8	9
62	Fine mapping of BoGL1, a gene controlling the glossy green trait in cabbage ( <i>Brassica oleracea</i> L. Var.) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.1	9
63	The tomato WV gene encoding a thioredoxin protein is essential for chloroplast development at low temperature and high light intensity. <i>BMC Plant Biology</i> , 2019, 19, 265.	3.6	8
64	Interactions between ShPP2-1, an F-box family gene, and ACR11A regulate cold tolerance of tomato. <i>Horticulture Research</i> , 2021, 8, 148.	6.3	7
65	The loss of function of HEL, which encodes a cellulose synthase interactive protein, causes helical and vine-like growth of tomato. <i>Horticulture Research</i> , 2020, 7, 180.	6.3	6
66	The chaperonin 60 protein SLCPn60f1 modulates photosynthesis and photorespiration in tomato. <i>Journal of Experimental Botany</i> , 2020, 71, 7224-7240.	4.8	6
67	Tomato LrgB regulates heat tolerance and the assimilation and partitioning of carbon. <i>Plant Science</i> , 2018, 274, 309-319.	3.6	5
68	NDW, encoding a receptor-like protein kinase, regulates plant growth, cold tolerance and susceptibility to <i>Botrytis cinerea</i> in tomato. <i>Plant Science</i> , 2020, 301, 110684.	3.6	5
69	A novel negative-stranded RNA virus of the order Bunyvirales identified in <i>Brassica campestris</i> L. ssp. <i>chinensis</i> . <i>Archives of Virology</i> , 2021, 166, 1525-1528.	2.1	5
70	Transcriptome profile analysis of cell proliferation molecular processes during multicellular trichome formation induced by tomato Wo v gene in tobacco. <i>Genomics Data</i> , 2015, 6, 173-174.	1.3	4
71	Development of a highly specific co-dominant marker for genotyping the Ph-3 (tomato late blight) Tj ETQq1 1 0.784314 rgBT <sub>4</sub> /Overlock	2.1	4
72	Methylation profiling of biosynthetic genes reveals the role of D-galacturonic acid reductase in ascorbic acid accumulation in tomato fruit. <i>Plant Growth Regulation</i> , 2022, 98, 281-288.	3.4	2

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73	VG, encoding a thylakoid formation protein, regulates the formation of variegated leaves in tomato. Horticultural Plant Journal, 2023, 9, 98-108.	5.0	1
74	Critical Roles of Mitochondrial Fatty Acid Synthesis in Tomato Development and Environmental Response. Plant Physiology, 0, , .	4.8	1
75	Regulation of invertase and sucrose for improving tomato fruit flavor: A review. Vegetable Research, 2021, 1, 1-13.	0.7	0