

# Yongbiao Xue

## List of Publications by Year in descending order

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89  
papers

6,301  
citations

81839

39  
h-index

71651

76  
g-index

110  
all docs

110  
docs citations

110  
times ranked

7064  
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin, loss, and regain of self-incompatibility in angiosperms. <i>Plant Cell</i> , 2022, 34, 579-596.	3.1	30
2	The twin-beginnings of COVID-19 in Asia and Europe— one prevails quickly. <i>National Science Review</i> , 2022, 9, nwab223.	4.6	22
3	Pinpointing the animal origins of SARS-CoV-2: a genomic approach. <i>Journal of Genetics and Genomics</i> , 2022, 49, 900-902.	1.7	1
4	Ongoing Positive Selection Drives the Evolution of SARS-CoV-2 Genomes. <i>Genomics, Proteomics and Bioinformatics</i> , 2022, 20, 1214-1223.	3.0	9
5	An atlas of wheat epigenetic regulatory elements reveals subgenome divergence in the regulation of development and stress responses. <i>Plant Cell</i> , 2021, 33, 865-881.	3.1	48
6	Primary restriction of Sâ€Nase cytotoxicity by a stepwise ubiquitination and degradation pathway in <i>Petunia hybrida</i> . <i>New Phytologist</i> , 2021, 231, 1249-1264.	3.5	10
7	On the origin of SARS-CoV-2—The blind watchmaker argument. <i>Science China Life Sciences</i> , 2021, 64, 1560-1563.	2.3	18
8	Tracing the origins of SARS-CoV-2: lessons learned from the past. <i>Cell Research</i> , 2021, 31, 1139-1141.	5.7	25
9	Genomic Epidemiology of SARS-CoV-2 in Pakistan. <i>Genomics, Proteomics and Bioinformatics</i> , 2021, 19, 727-740.	3.0	8
10	Metagenomic evidence for the co-existence of SARS and H1N1 in patients from 2007-2012 flu seasons in France. <i>Biosafety and Health</i> , 2021, 3, 307-307.	1.2	0
11	Database Resources of the National Genomics Data Center in 2020. <i>Nucleic Acids Research</i> , 2020, 48, D24-D33.	6.5	165
12	Ectopic expression of nucleolar DEAD-Box RNA helicase OsTOGR1 confers improved heat stress tolerance in transgenic Chinese cabbage. <i>Plant Cell Reports</i> , 2020, 39, 1803-1814.	2.8	13
13	Population Genetics of SARS-CoV-2: Disentangling Effects of Sampling Bias and Infection Clusters. <i>Genomics, Proteomics and Bioinformatics</i> , 2020, 18, 640-647.	3.0	44
14	Villin Controls the Formation and Enlargement of Punctate Actin Foci in Pollen Tubes. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	10
15	Analysis of genetic architecture and favorable allele usage of agronomic traits in a large collection of Chinese rice accessions. <i>Science China Life Sciences</i> , 2020, 63, 1688-1702.	2.3	41
16	The Global Landscape of SARS-CoV-2 Genomes, Variants, and Haplotypes in 2019nCoV. <i>Genomics, Proteomics and Bioinformatics</i> , 2020, 18, 749-759.	3.0	88
17	The bread wheat epigenomic map reveals distinct chromatin architectural and evolutionary features of functional genetic elements. <i>Genome Biology</i> , 2019, 20, 139.	3.8	90
18	<i>RETINOBLASTOMA-RELATED</i> Genes Specifically Control Inner Floral Organ Morphogenesis and Pollen Development in Rice. <i>Plant Physiology</i> , 2019, 181, 1600-1614.	2.3	10

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19	Genome structure and evolution of <i>Antirrhinum majus</i> L. <i>Nature Plants</i> , 2019, 5, 174-183.	4.7	85
20	Highlights of genetics research over the past four decades in China. <i>Journal of Genetics and Genomics</i> , 2018, 45, 561-562.	1.7	1
21	Selection and gene flow shape genomic islands that control floral guides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11006-11011.	3.3	67
22	A PECTIN METHYLESTERASE gene at the maize Ga1 locus confers male function in unilateral cross-incompatibility. <i>Nature Communications</i> , 2018, 9, 3678.	5.8	54
23	Organizational Innovation of Apical Actin Filaments Drives Rapid Pollen Tube Growth and Turning. <i>Molecular Plant</i> , 2017, 10, 930-947.	3.9	57
24	Evolution of flower color pattern through selection on regulatory small RNAs. <i>Science</i> , 2017, 358, 925-928.	6.0	48
25	Electrostatic potentials of the <i>S</i> -locus F-box proteins contribute to the pollen <i>S</i> -specificity in self-incompatibility in <i>Petunia hybrida</i> . <i>Plant Journal</i> , 2017, 89, 45-57.	2.8	28
26	Nucleolar DEAD-Box RNA Helicase TOGR1 Regulates Thermotolerant Growth as a Pre-rRNA Chaperone in Rice. <i>PLoS Genetics</i> , 2016, 12, e1005844.	1.5	95
27	The Protein Arginine Methylase 5 (PRMT5/SKB1) Gene Is Required for the Maintenance of Root Stem Cells in Response to DNA Damage. <i>Journal of Genetics and Genomics</i> , 2016, 43, 187-197.	1.7	13
28	A High Temperature-Dependent Mitochondrial Lipase EXTRA GLUME1 Promotes Floral Phenotypic Robustness against Temperature Fluctuation in Rice ( <i>Oryza sativa</i> L.). <i>PLoS Genetics</i> , 2016, 12, e1006152.	1.5	33
29	Fine Mapping of the Maize Cross-Incompatibility Locus <i>Gametophytic Factor 1</i> ( <i>ga1</i> ) Using a Homogeneous Population. <i>Crop Science</i> , 2014, 54, 873-881.	0.8	9
30	SCFSLF-mediated cytosolic degradation of S-RNase is required for cross-pollen compatibility in S-RNase-based self-incompatibility in <i>Petunia hybrida</i> . <i>Frontiers in Genetics</i> , 2014, 5, 228.	1.1	40
31	Genomic analyses provide insights into the history of tomato breeding. <i>Nature Genetics</i> , 2014, 46, 1220-1226.	9.4	801
32	Identification of a canonical SCFSLF complex involved in S-RNase-based self-incompatibility of <i>Pyrus</i> (Rosaceae). <i>Plant Molecular Biology</i> , 2013, 81, 245-257.	2.0	38
33	The U-Box E3 Ubiquitin Ligase TUD1 Functions with a Heterotrimeric G $\beta$ Subunit to Regulate Brassinosteroid-Mediated Growth in Rice. <i>PLoS Genetics</i> , 2013, 9, e1003391.	1.5	117
34	Characterization of <i>Osmads6-5</i> , a null allele, reveals that <i>OsMADS6</i> is a critical regulator for early flower development in rice ( <i>Oryza sativa</i> L.). <i>Plant Molecular Biology</i> , 2012, 80, 429-442.	2.0	28
35	Identification of a Ubiquitin-Binding Structure in the S-Locus F-Box Protein Controlling S-RNase-Based Self-Incompatibility. <i>Journal of Genetics and Genomics</i> , 2012, 39, 93-102.	1.7	12
36	<i>Dwarf and deformed flower 1</i> , encoding an F-box protein, is critical for vegetative and floral development in rice ( <i>Oryza sativa</i> L.). <i>Plant Journal</i> , 2012, 72, 829-842.	2.8	39

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37	Transcriptome Phase Distribution Analysis Reveals Diurnal Regulated Biological Processes and Key Pathways in Rice Flag Leaves and Seedling Leaves. <i>PLoS ONE</i> , 2011, 6, e17613.	1.1	37
38	Genome-scale analysis and comparison of gene expression profiles in developing and germinated pollen in <i>Oryza sativa</i> . <i>BMC Genomics</i> , 2010, 11, 338.	1.2	149
39	The Skp1-like protein SSK1 is required for cross-pollen compatibility in <i>S-RNase</i> -based self-incompatibility. <i>Plant Journal</i> , 2010, 62, 52-63.	2.8	91
40	Tracing the Evolution of the Floral Homeotic B- and C-Function Genes through Genome Synteny. <i>Molecular Biology and Evolution</i> , 2010, 27, 2651-2664.	3.5	36
41	'A life or death decision' for pollen tubes in <i>S-RNase</i> -based self-incompatibility. <i>Journal of Experimental Botany</i> , 2010, 61, 2027-2037.	2.4	37
42	Gene Expression Profiles Deciphering Rice Phenotypic Variation between Nipponbare (Japonica) and 93-11 (Indica) during Oxidative Stress. <i>PLoS ONE</i> , 2010, 5, e8632.	1.1	52
43	A Snapshot of the Emerging Tomato Genome Sequence. <i>Plant Genome</i> , 2009, 2, .	1.6	73
44	DOR. <i>Plant Signaling and Behavior</i> , 2009, 4, 470-471.	1.2	4
45	Genetic features of a pollen-part mutation suggest an inhibitory role for the Antirrhinum pollen self-incompatibility determinant. <i>Plant Molecular Biology</i> , 2009, 70, 499-509.	2.0	30
46	A putative lipase gene <i>EXTRA GLUME1</i> regulates both empty glume fate and spikelet development in rice. <i>Plant Journal</i> , 2009, 57, 593-605.	2.8	81
47	Roles of Proteolysis in Plant Self-Incompatibility. <i>Annual Review of Plant Biology</i> , 2009, 60, 21-42.	8.6	80
48	Case study for identification of potentially indel-caused alternative expression isoforms in the rice subspecies japonica and indica by integrative genome analysis. <i>Genomics</i> , 2008, 91, 186-194.	1.3	6
49	Calcineurin B-like interacting protein kinase OsCIPK23 functions in pollination and drought stress responses in rice ( <i>Oryza sativa</i> L.). <i>Journal of Genetics and Genomics</i> , 2008, 35, 531-52.	1.7	114
50	F-Box Protein DOR Functions As a Novel Inhibitory Factor for Abscisic Acid-Induced Stomatal Closure under Drought Stress in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2008, 148, 2121-2133.	2.3	163
51	The R2R3 MYB Transcription Factor GhMYB109 Is Required for Cotton Fiber Development. <i>Genetics</i> , 2008, 180, 811-820.	1.2	156
52	Rice functional genomics research in China. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 1009-1021.	1.8	28
53	Proteomics Identification of Differentially Expressed Proteins Associated with Pollen Germination and Tube Growth Reveals Characteristics of Germinated <i>Oryza sativa</i> Pollen. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 207-230.	2.5	133
54	Genome-Wide Gene Expression Profiling Reveals Conserved and Novel Molecular Functions of the Stigma in Rice. <i>Plant Physiology</i> , 2007, 144, 1797-1812.	2.3	108

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55	Heterochromatic and genetic features are consistent with recombination suppression of the self-incompatibility locus in <i>Antirrhinum</i> . <i>Plant Journal</i> , 2007, 51, 140-151.	2.8	30
56	Identification, Expression and Functional Analysis of a Receptor-like Cytoplasmic Kinase, OsRLCK1, in Rice. <i>Journal of Integrative Plant Biology</i> , 2007, 49, 898-907.	4.1	4
57	Molecular Control of S-RNase-based Self-Incompatibility. , 2007, , 63-73.		1
58	Proteomic analyses of <i>Oryza sativa</i> mature pollen reveal novel proteins associated with pollen germination and tube growth. <i>Proteomics</i> , 2006, 6, 2504-2529.	1.3	165
59	AhSSK1, a novel SKP1-like protein that interacts with the S-locus F-box protein SLF. <i>Plant Journal</i> , 2006, 46, 780-793.	2.8	83
60	An Auxin-Inducible F-Box Protein CEGENDUO Negatively Regulates Auxin-Mediated Lateral Root Formation in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2006, 60, 599-615.	2.0	47
61	A Novel Nuclear-Localized CCCH-Type Zinc Finger Protein, OsDOS, Is Involved in Delaying Leaf Senescence in Rice. <i>Plant Physiology</i> , 2006, 141, 1376-1388.	2.3	241
62	Evolution in Action: Following Function in Duplicated Floral Homeotic Genes. <i>Current Biology</i> , 2005, 15, 1508-1512.	1.8	165
63	Microarray Analysis Reveals Similarities and Variations in Genetic Programs Controlling Pollination/Fertilization and Stress Responses in Rice ( <i>Oryza sativa</i> L.). <i>Plant Molecular Biology</i> , 2005, 59, 151-164.	2.0	61
64	Microarray Analysis of Gene Expression Involved in Anther Development in rice ( <i>Oryza sativa</i> L.). <i>Plant Molecular Biology</i> , 2005, 58, 721-737.	2.0	61
65	Molecular Cytogenetic Characterization of the <i>Antirrhinum majus</i> Genome Sequence data from this article have been deposited with the EMBL/GenBank Data Libraries under the accession nos. AY630561 (for BAC 5E10) and AY6305612 (for BAC 36D21).. <i>Genetics</i> , 2005, 169, 325-335.	1.2	42
66	Towards molecular breeding and improvement of rice in China. <i>Trends in Plant Science</i> , 2005, 10, 610-614.	4.3	108
67	The F-Box Protein AhSLF-S2 Physically Interacts with S-RNases That May Be Inhibited by the Ubiquitin/26S Proteasome Pathway of Protein Degradation during Compatible Pollination in <i>Antirrhinum</i> . <i>Plant Cell</i> , 2004, 16, 582-595.	3.1	190
68	The F-Box Protein AhSLF-S2 Controls the Pollen Function of S-RNase-Based Self-Incompatibility. <i>Plant Cell</i> , 2004, 16, 2307-2322.	3.1	217
69	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 2004, 76, 61-65.	1.2	1
70	Monitoring of Gene Expression Profiles and Isolation of Candidate Genes Involved in Pollination and Fertilization in Rice ( <i>Oryza Sativa</i> L.) with a 10K cDNA Microarray. <i>Plant Molecular Biology</i> , 2004, 54, 471-487.	2.0	66
71	Genome-wide analysis of S-Locus F-box-like genes in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2004, 56, 929-945.	2.0	60
72	Genetic analysis and gene mapping of leafy head (lhd), a mutant blocking the differentiation of rachis branches in rice ( <i>Oryza sativa</i> L.). <i>Science Bulletin</i> , 2003, 48, 2201-2205.	1.7	2

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73	Identification and evolutionary analysis of a relic S-RNase in <i>Antirrhinum</i> . <i>Sexual Plant Reproduction</i> , 2003, 16, 17-22.	2.2	11
74	Structural and transcriptional analysis of S-locus F-box genes in <i>Antirrhinum</i> . <i>Sexual Plant Reproduction</i> , 2003, 16, 165-177.	2.2	70
75	Genome-wide intraspecific DNA-sequence variations in rice. <i>Current Opinion in Plant Biology</i> , 2003, 6, 134-138.	3.5	99
76	Recent highlights of the China Rice Functional Genomics Program. <i>Trends in Genetics</i> , 2003, 19, 390-394.	2.9	37
77	A Fine Physical Map of the Rice Chromosome 4. <i>Genome Research</i> , 2002, 12, 817-823.	2.4	64
78	AhSL28, a senescence- and phosphate starvation-induced S-like RNase gene in <i>Antirrhinum</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2002, 1579, 64-71.	2.4	39
79	An Introduction to the China Rice Functional Genomics Program. <i>Comparative and Functional Genomics</i> , 2002, 3, 161-163.	2.0	4
80	Sequence and analysis of rice chromosome 4. <i>Nature</i> , 2002, 420, 316-320.	13.7	471
81	Isolation and characterization of male-germ-cell transcripts in <i>Nicotiana tabacum</i> . <i>Sexual Plant Reproduction</i> , 2002, 14, 339-346.	2.2	35
82	An F-box gene linked to the self-incompatibility (S) locus of <i>Antirrhinum</i> is expressed specifically in pollen and tapetum. <i>Plant Molecular Biology</i> , 2002, 50, 29-41.	2.0	318
83	Expressional profiling of genes related to pollination and fertilization in rice. <i>Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie</i> , 2001, 324, 1111-1116.	0.8	5
84	cDNA-AFLP analysis reveals that maize resistance to <i>Bipolaris maydis</i> is associated with the induction of multiple defense-related genes. <i>Science Bulletin</i> , 2001, 46, 1454-1458.	1.7	4
85	PcTGD, a highly expressed gene in stem, is related to water stress in reed ( <i>Phragmites communis</i> Trin.). <i>Science Bulletin</i> , 2001, 46, 850-854.	1.7	14
86	S RNASES AND SELF AND NON-SELF POLLEN RECOGNITION IN FLOWERING PLANTS. , 2001, , 149-155.		0
87	The pathogenic site of the C-toxin derived from <i>Bipolaris maydis</i> race C in maize ( <i>Zea mays</i> ). <i>Science Bulletin</i> , 2000, 45, 1787-1791.	1.7	2
88	Expression of self-incompatibility ribonucleases of <i>Antirrhinum</i> in <i>Escherichia coli</i> . <i>Science Bulletin</i> , 2000, 45, 512-515.	1.7	0
89	Isolation of candidate disease resistance genes from rice. <i>Science Bulletin</i> , 1998, 43, 497-500.	1.7	2