

# Bao-Hua Song

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

2,217  
citations

236925

25  
h-index

315739

38  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2796  
citing authors

#	ARTICLE	IF	CITATIONS
1	Back into the wildâ€”Apply untapped genetic diversity of wild relatives for crop improvement. <i>Evolutionary Applications</i> , 2017, 10, 5-24.	3.1	291
2	Genome Wide Analyses Reveal Little Evidence for Adaptive Evolution in Many Plant Species. <i>Molecular Biology and Evolution</i> , 2010, 27, 1822-1832.	8.9	227
3	A Gain-of-Function Polymorphism Controlling Complex Traits and Fitness in Nature. <i>Science</i> , 2012, 337, 1081-1084.	12.6	158
4	Genetic Characterization of the Soybean Nested Association Mapping Population. <i>Plant Genome</i> , 2017, 10, plantgenome2016.10.0109.	2.8	114
5	A genome-wide association study of seed composition traits in wild soybean ( <i>Glycine soja</i> ). <i>BMC Genomics</i> , 2017, 18, 18.	2.8	113
6	Geographic patterns of microsatellite variation in <i>Boechera stricta</i> , a close relative of <i>Arabidopsis</i> . <i>Molecular Ecology</i> , 2005, 15, 357-369.	3.9	95
7	<i>Boechera</i> , a model system for ecological genomics. <i>Molecular Ecology</i> , 2011, 20, 4843-4857.	3.9	88
8	Identification of QTL with large effect on seed weight in a selective population of soybean with genome-wide association and fixation index analyses. <i>BMC Genomics</i> , 2017, 18, 529.	2.8	87
9	Comparative genomics in the Brassicaceae: a family-wide perspective. <i>Current Opinion in Plant Biology</i> , 2007, 10, 168-175.	7.1	84
10	Plant adaptation to climate changeâ€”Where are we?. <i>Journal of Systematics and Evolution</i> , 2020, 58, 533-545.	3.1	82
11	The Untapped Genetic Reservoir: The Past, Current, and Future Applications of the Wild Soybean ( <i>Glycine soja</i> ). <i>Frontiers in Plant Science</i> , 2018, 9, 949.	3.6	79
12	Genome-Wide Association Study of Resistance to Soybean Cyst Nematode ( <i>Heterodera glycines</i> ) HG Type 2.5.7 in Wild Soybean ( <i>Glycine soja</i> ). <i>Frontiers in Plant Science</i> , 2016, 7, 1214.	3.6	68
13	Comparative Genetic Mapping in <i>Boechera stricta</i> , a Close Relative of <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2007, 144, 286-298.	4.8	67
14	Cytoplasmic composition in <i>Pinus densata</i> and population establishment of the diploid hybrid pine. <i>Molecular Ecology</i> , 2003, 12, 2995-3001.	3.9	62
15	On the origin and evolution of apomixis in <i>Boechera</i> . <i>Plant Reproduction</i> , 2013, 26, 309-315.	2.2	56
16	Multilocus Patterns of Nucleotide Diversity, Population Structure and Linkage Disequilibrium in <i>Boechera stricta</i> , a Wild Relative of <i>Arabidopsis</i> . <i>Genetics</i> , 2009, 181, 1021-1033.	2.9	54
17	Comparative RNA-Seq Analysis Uncovers a Complex Regulatory Network for Soybean Cyst Nematode Resistance in Wild Soybean ( <i>Glycine soja</i> ). <i>Scientific Reports</i> , 2017, 7, 9699.	3.3	46
18	Neglected treasures in the wild â€” legume wild relatives in food security and human health. <i>Current Opinion in Plant Biology</i> , 2019, 49, 17-26.	7.1	45

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19	Maternal lineages of <i>Pinus densata</i> , a diploid hybrid. <i>Molecular Ecology</i> , 2002, 11, 1057-1063.	3.9	44
20	POWR1 is a domestication gene pleiotropically regulating seed quality and yield in soybean. <i>Nature Communications</i> , 2022, 13, .	12.8	39
21	Genetic architecture of wild soybean ( <i>Glycine soja</i> ) response to soybean cyst nematode (Heterodera) Tj ETQq1 1 0.784314 rgBT /Overlock	2.1	37
22	High genetic diversity and population differentiation in <i>Boechera fecunda</i> , a rare relative of <i>Arabidopsis</i> . <i>Molecular Ecology</i> , 2007, 16, 4079-4088.	3.9	34
23	From Fighting Critters to Saving Lives: Polyphenols in Plant Defense and Human Health. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8995.	4.1	33
24	Environmental versus geographical effects on genomic variation in wild soybean ( <i>Glycine soja</i> ) across its native range in northeast Asia. <i>Ecology and Evolution</i> , 2016, 6, 6332-6344.	1.9	28
25	Further evidence for paraphyly of the Celtidaceae from the chloroplast gene mat K. <i>Plant Systematics and Evolution</i> , 2001, 228, 107-115.	0.9	27
26	Salt tolerance response revealed by RNA-Seq in a diploid halophytic wild relative of sweet potato. <i>Scientific Reports</i> , 2017, 7, 9624.	3.3	22
27	RNA-seq data comparisons of wild soybean genotypes in response to soybean cyst nematode (Heterodera) Tj ETQq1 1 0.784314 rgBT /Overlock	1.3	21
28	Novel resistance strategies to soybean cyst nematode (SCN) in wild soybean. <i>Scientific Reports</i> , 2021, 11, 7967.	3.3	20
29	Evolutionary and ecological genomics of non-model plants. <i>Journal of Systematics and Evolution</i> , 2011, 49, 17-24.	3.1	18
30	Genome-wide analysis of gene expression reveals gene regulatory networks that regulate chasmogamous and cleistogamous flowering in <i>Pseudostellaria heterophylla</i> (Caryophyllaceae). <i>BMC Genomics</i> , 2016, 17, 382.	2.8	17
31	Whole-genome duplication and molecular evolution in <i>Cornus</i> L. (Cornaceae) – Insights from transcriptome sequences. <i>PLoS ONE</i> , 2017, 12, e0171361.	2.5	17
32	Large-scale adaptive divergence in <i>Boechera fecunda</i> , an endangered wild relative of <i>Arabidopsis</i> . <i>Ecology and Evolution</i> , 2014, 4, 3175-3186.	1.9	14
33	Bridging the Gaps between Plant and Human Health: A Systematic Review of Soyasaponins. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 14387-14401.	5.2	11
34	Transcriptome profiling of a beach-adapted wild legume for dissecting novel mechanisms of salinity tolerance. <i>Scientific Data</i> , 2018, 5, 180290.	5.3	7
35	Transcriptome profiling reveals the spatial-temporal dynamics of gene expression essential for soybean seed development. <i>BMC Genomics</i> , 2021, 22, 453.	2.8	5
36	De novo Genome Assembly, Annotation, and SNP Identification of an Endangered Rockcress, <i>Boechera fecunda</i> . <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	3

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37	Genetic Architecture of Early Vigor Traits in Wild Soybean. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3105.	4.1	3
38	Transcriptome Dataset of Halophyte Beach Morning Glory, a Close Wild Relative of Sweet Potato. <i>Frontiers in Plant Science</i> , 2016, 7, 1267.	3.6	1
39	In memory of Professor Tang Yan Cheng: New perspectives in systematic and evolutionary biology. <i>Journal of Systematics and Evolution</i> , 2020, 58, 527-532.	3.1	0