

# Weiwei Wen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4030123/publications.pdf>

Version: 2024-02-01

28  
papers

1,808  
citations

430874

18  
h-index

552781

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2050  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass spectrometry-based metabolomics: a guide for annotation, quantification and best reporting practices. <i>Nature Methods</i> , 2021, 18, 747-756.	19.0	403
2	Metabolome-based genome-wide association study of maize kernel leads to novel biochemical insights. <i>Nature Communications</i> , 2014, 5, 3438.	12.8	402
3	Genetic Determinants of the Network of Primary Metabolism and Their Relationships to Plant Performance in a Maize Recombinant Inbred Line Population. <i>Plant Cell</i> , 2015, 27, 1839-1856.	6.6	149
4	Conservation and diversification of flavonoid metabolism in the plant kingdom. <i>Current Opinion in Plant Biology</i> , 2020, 55, 100-108.	7.1	137
5	Genome assembly of wild tea tree DASZ reveals pedigree and selection history of tea varieties. <i>Nature Communications</i> , 2020, 11, 3719.	12.8	108
6	Genomic, Transcriptomic, and Phenomic Variation Reveals the Complex Adaptation of Modern Maize Breeding. <i>Molecular Plant</i> , 2015, 8, 871-884.	8.3	72
7	Combining Quantitative Genetics Approaches with Regulatory Network Analysis to Dissect the Complex Metabolism of the Maize Kernel. <i>Plant Physiology</i> , 2016, 170, 136-146.	4.8	62
8	Domestication of Crop Metabolomes: Desired and Unintended Consequences. <i>Trends in Plant Science</i> , 2021, 26, 650-661.	8.8	60
9	Integrated transcriptomic and metabolomic analyses of a wax deficient citrus mutant exhibiting jasmonic acid-mediated defense against fungal pathogens. <i>Horticulture Research</i> , 2018, 5, 43.	6.3	49
10	Metabolomics analysis reveals differences in evolution between maize and rice. <i>Plant Journal</i> , 2020, 103, 1710-1722.	5.7	41
11	A NAC transcription factor and its interaction protein hinder abscisic acid biosynthesis by synergistically repressing NCED5 in <i>Citrus reticulata</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 3613-3625.	4.8	39
12	An integrated multi-layered analysis of the metabolic networks of different tissues uncovers key genetic components of primary metabolism in maize. <i>Plant Journal</i> , 2018, 93, 1116-1128.	5.7	38
13	Large-scale metabolite quantitative trait locus analysis provides new insights for high-quality maize improvement. <i>Plant Journal</i> , 2019, 99, 216-230.	5.7	37
14	Fatty acid metabolic flux and lipid peroxidation homeostasis maintain the biomembrane stability to improve citrus fruit storage performance. <i>Food Chemistry</i> , 2019, 292, 314-324.	8.2	33
15	Genome-wide association of the metabolic shifts underpinning dark-induced senescence in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2022, 34, 557-578.	6.6	29
16	Dissection of the domestication-shaped genetic architecture of lettuce primary metabolism. <i>Plant Journal</i> , 2020, 104, 613-630.	5.7	24
17	Multimics-based dissection of citrus flavonoid metabolism using a <i>Citrus reticulata</i> × <i>Poncirus trifoliata</i> population. <i>Horticulture Research</i> , 2021, 8, 56.	6.3	24
18	Lipidomic and transcriptomic analysis reveals reallocation of carbon flux from cuticular wax into plastid membrane lipids in a glossy 'Newhall' navel orange mutant. <i>Horticulture Research</i> , 2020, 7, 41.	6.3	23

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19	Combining novel technologies with interdisciplinary basic research to enhance horticultural crops. <i>Plant Journal</i> , 2022, 109, 35-46.	5.7	17
20	A phased genome based on single sperm sequencing reveals crossover pattern and complex relatedness in tea plants. <i>Plant Journal</i> , 2021, 105, 197-208.	5.7	15
21	<i>Camellia sinensis</i> (Tea). <i>Trends in Genetics</i> , 2021, 37, 201-202.	6.7	10
22	Finding Noemi: The Transcription Factor Mutations Underlying Trait Differentiation Amongst Citrus. <i>Trends in Plant Science</i> , 2019, 24, 384-386.	8.8	9
23	Parallel Metabolomic and Transcriptomic Analysis Reveals Key Factors for Quality Improvement of Tea Plants. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 5483-5495.	5.2	9
24	Population genomics of <i>Zea</i> species identifies selection signatures during maize domestication and adaptation. <i>BMC Plant Biology</i> , 2022, 22, 72.	3.6	9
25	Integrated multi-omics analysis of developing 'Newhall'™ orange and its glossy mutant provide insights into citrus fragrance formation. <i>Horticultural Plant Journal</i> , 2022, 8, 435-449.	5.0	7
26	Genome-wide association studies of <i>Arabidopsis</i> dark-induced senescence reveals signatures of autophagy in metabolic reprogramming. <i>Autophagy</i> , 2022, 18, 457-458.	9.1	2
27	Editorial overview: Evolution of metabolic diversity. <i>Current Opinion in Plant Biology</i> , 2020, 55, A1-A4.	7.1	0
28	Understanding carotenoid biosynthetic pathway control points using metabolomic analysis and natural genetic variation. <i>Methods in Enzymology</i> , 2022, , .	1.0	0