

# Yumiko Takebayashi

## List of Publications by Year in descending order

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38  
papers

2,851  
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172457

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315739

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docs citations

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times ranked

4162  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wounding Triggers Callus Formation via Dynamic Hormonal and Transcriptional Changes. <i>Plant Physiology</i> , 2017, 175, 1158-1174.	4.8	214
2	Sterol Side Chain Reductase 2 Is a Key Enzyme in the Biosynthesis of Cholesterol, the Common Precursor of Toxic Steroidal Glycoalkaloids in Potato $\dot{A}$ . <i>Plant Cell</i> , 2014, 26, 3763-3774.	6.6	206
3	Auxin Overproduction in Shoots Cannot Rescue Auxin Deficiencies in Arabidopsis Roots. <i>Plant and Cell Physiology</i> , 2014, 55, 1072-1079.	3.1	202
4	Abscisic acid (ABA) regulates grape bud dormancy, and dormancy release stimuli may act through modification of ABA metabolism. <i>Journal of Experimental Botany</i> , 2015, 66, 1527-1542.	4.8	174
5	Temporal and spatial changes in gene expression, metabolite accumulation and phytohormone content in rice seedlings grown under drought stress conditions. <i>Plant Journal</i> , 2017, 90, 61-78.	5.7	173
6	Analysis of the Developmental Roles of the <i>Arabidopsis</i> Gibberellin 20-Oxidases Demonstrates That GA20ox1, GA20ox2, and GA20ox3 Are the Dominant Paralogs. <i>Plant Cell</i> , 2012, 24, 941-960.	6.6	172
7	Distinct Characteristics of Indole-3-Acetic Acid and Phenylacetic Acid, Two Common Auxins in Plants. <i>Plant and Cell Physiology</i> , 2015, 56, 1641-1654.	3.1	142
8	Auxin Produced by the Indole-3-Pyruvic Acid Pathway Regulates Development and Gemmae Dormancy in the Liverwort <i>Marchantia polymorpha</i> . <i>Plant Cell</i> , 2015, 27, 1650-1669.	6.6	138
9	The phytoplasmal virulence factor TENGU causes plant sterility by downregulating of the jasmonic acid and auxin pathways. <i>Scientific Reports</i> , 2014, 4, 7399.	3.3	106
10	Local Auxin Biosynthesis Mediated by a YUCCA Flavin Monooxygenase Regulates Haustorium Development in the Parasitic Plant <i>Phtheirospermum japonicum</i> . <i>Plant Cell</i> , 2016, 28, 1795-1814.	6.6	102
11	Antagonistic regulation of the gibberellic acid response during stem growth in rice. <i>Nature</i> , 2020, 584, 109-114.	27.8	98
12	Effector-Triggered Immunity Determines Host Genotype-Specific Incompatibility in Legume-Rhizobium Symbiosis. <i>Plant and Cell Physiology</i> , 2016, 57, 1791-1800.	3.1	94
13	Cytokinin-Mediated Regulation of Reactive Oxygen Species Homeostasis Modulates Stomatal Immunity in Arabidopsis. <i>Plant Cell</i> , 2017, 29, 543-559.	6.6	86
14	Presence versus absence of CYP734A50 underlies the style-length dimorphism in primroses. <i>ELife</i> , 2016, 5, .	6.0	86
15	Combining association mapping and transcriptomics identify HD2B histone deacetylase as a genetic factor associated with seed dormancy in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2013, 74, 815-828.	5.7	64
16	Time-Course Transcriptomics Analysis Reveals Key Responses of Submerged Deepwater Rice to Flooding. <i>Plant Physiology</i> , 2018, 176, 3081-3102.	4.8	64
17	A plant U-box protein, PUB4, regulates asymmetric cell division and cell proliferation in the root meristem. <i>Development (Cambridge)</i> , 2015, 142, 444-453.	2.5	61
18	Grain dormancy loss is associated with changes in ABA and GA sensitivity and hormone accumulation in bread wheat, <i>Triticum aestivum</i> (L.). <i>Seed Science Research</i> , 2015, 25, 179-193.	1.7	57

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19	Loss of <i>Arabidopsis thaliana</i> Seed Dormancy is Associated with Increased Accumulation of the GID1 GA Hormone Receptors. <i>Plant and Cell Physiology</i> , 2015, 56, 1773-1785.	3.1	54
20	GNOM/FEWER ROOTS is Required for the Establishment of an Auxin Response Maximum for <i>Arabidopsis</i> Lateral Root Initiation. <i>Plant and Cell Physiology</i> , 2013, 54, 406-417.	3.1	46
21	Phytohormones Related to Host Plant Manipulation by a Gall-Inducing Leafhopper. <i>PLoS ONE</i> , 2013, 8, e62350.	2.5	46
22	Yucasin DF, a potent and persistent inhibitor of auxin biosynthesis in plants. <i>Scientific Reports</i> , 2017, 7, 13992.	3.3	44
23	Salt adaptation requires efficient fine-tuning of jasmonate signalling. <i>Protoplasma</i> , 2014, 251, 881-898.	2.1	41
24	Jasmonic acid facilitates flower opening and floral organ development through the upregulated expression of SIMYB21 transcription factor in tomato. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 292-303.	1.3	41
25	Cytokinin Signaling Is Essential for Organ Formation in <i>Marchantia polymorpha</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 1842-1854.	3.1	41
26	Highly Sprouting-Tolerant Wheat Grain Exhibits Extreme Dormancy and Cold Imbibition-Resistant Accumulation of Abscisic Acid. <i>Plant and Cell Physiology</i> , 2016, 57, 715-732.	3.1	40
27	Functional characterization and developmental expression profiling of gibberellin signalling components in <i>Vitis vinifera</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 1463-1476.	4.8	36
28	Jasmonates are induced by the PAMP flg22 but not the cell death-inducing elicitor Harpin in <i>Vitis rupestris</i> . <i>Protoplasma</i> , 2017, 254, 271-283.	2.1	36
29	Aberrant Stamen Development is Associated with Parthenocarpic Fruit Set Through Up-Regulation of Gibberellin Biosynthesis in Tomato. <i>Plant and Cell Physiology</i> , 2019, 60, 38-51.	3.1	35
30	Targeting Hormone-Related Pathways to Improve Grain Yield in Rice: A Chemical Approach. <i>PLoS ONE</i> , 2015, 10, e0131213.	2.5	26
31	Diminished Auxin Signaling Triggers Cellular Reprogramming by Inducing a Regeneration Factor in the Liverwort <i>Marchantia polymorpha</i> . <i>Plant and Cell Physiology</i> , 2022, 63, 384-400.	3.1	23
32	Identification of the unique molecular framework of heterophylly in the amphibious plant <i>Callitriche palustris</i> L. <i>Plant Cell</i> , 2021, 33, 3272-3292.	6.6	22
33	The wheat ABA hypersensitive ERA8 mutant is associated with increased preharvest sprouting tolerance and altered hormone accumulation. <i>Euphytica</i> , 2016, 212, 229-245.	1.2	20
34	WIND1 induces dynamic metabolomic reprogramming during regeneration in <i>Brassica napus</i> . <i>Developmental Biology</i> , 2018, 442, 40-52.	2.0	18
35	A balanced JA/ABA status may correlate with adaptation to osmotic stress in <i>Vitis</i> cells. <i>Journal of Plant Physiology</i> , 2015, 185, 57-64.	3.5	17
36	Diverse panicle architecture results from various combinations of Prl5/GA2Oox4 and Pbl6/APO1 alleles. <i>Communications Biology</i> , 2020, 3, 302.	4.4	16

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37	Regulation of ammonium acquisition and use in <i>Oryza longistaminata</i> ramets under nitrogen source heterogeneity. <i>Plant Physiology</i> , 2022, 188, 2364-2376.	4.8	7
38	Transcriptomic, Hormonomic and Metabolomic Analyses Highlighted the Common Modules Related to Photosynthesis, Sugar Metabolism and Cell Division in Parthenocarpic Tomato Fruits during Early Fruit Set. <i>Cells</i> , 2022, 11, 1420.	4.1	3