

# Jeong Im Kim

## List of Publications by Year in descending order

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27  
papers

2,105  
citations

430874

18  
h-index

526287

27  
g-index

31  
all docs

31  
docs citations

31  
times ranked

3417  
citing authors

#	ARTICLE	IF	CITATIONS
1	A synergistic biorefinery based on catalytic conversion of lignin prior to cellulose starting from lignocellulosic biomass. <i>Green Chemistry</i> , 2015, 17, 1492-1499.	9.0	370
2	Disruption of Mediator rescues the stunted growth of a lignin-deficient <i>Arabidopsis</i> mutant. <i>Nature</i> , 2014, 509, 376-380.	27.8	313
3	YUCCA6 over-expression demonstrates auxin function in delaying leaf senescence in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2011, 62, 3981-3992.	4.8	195
4	Overexpression of <i>Arabidopsis</i> YUCCA6 in Potato Results in High-Auxin Developmental Phenotypes and Enhanced Resistance to Water Deficit. <i>Molecular Plant</i> , 2013, 6, 337-349.	8.3	174
5	Four isoforms of <i>Arabidopsis thaliana</i> 4-coumarate: CoA ligase (4CL) have overlapping yet distinct roles in phenylpropanoid metabolism. <i>Plant Physiology</i> , 2015, 169, pp.00838.2015.	4.8	163
6	<i>yucca6</i> , a Dominant Mutation in <i>Arabidopsis</i> , Affects Auxin Accumulation and Auxin-Related Phenotypes. <i>Plant Physiology</i> , 2007, 145, 722-735.	4.8	138
7	Indole Glucosinolate Biosynthesis Limits Phenylpropanoid Accumulation in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2015, 27, 1529-1546.	6.6	100
8	A novel thiol-reductase activity of <i>Arabidopsis</i> YUC6 confers drought tolerance independently of auxin biosynthesis. <i>Nature Communications</i> , 2015, 6, 8041.	12.8	82
9	Visualization of plant cell wall lignification using fluorescence-tagged monolignols. <i>Plant Journal</i> , 2013, 76, 357-366.	5.7	70
10	Glucosinolate and phenylpropanoid biosynthesis are linked by proteasome-dependent degradation of PAL. <i>New Phytologist</i> , 2020, 225, 154-168.	7.3	67
11	Impact of engineered lignin composition on biomass recalcitrance and ionic liquid pretreatment efficiency. <i>Green Chemistry</i> , 2016, 18, 4884-4895.	9.0	64
12	Control of Plant Water Use by ABA Induction of Senescence and Dormancy: An Overlooked Lesson from Evolution. <i>Plant and Cell Physiology</i> , 2017, 58, 1319-1327.	3.1	51
13	The Peroxidative Cleavage of Kaempferol Contributes to the Biosynthesis of the Benzenoid Moiety of Ubiquinone in Plants. <i>Plant Cell</i> , 2018, 30, 2910-2921.	6.6	48
14	The impact of alterations in lignin deposition on cellulose organization of the plant cell wall. <i>Biotechnology for Biofuels</i> , 2016, 9, 126.	6.2	40
15	Chemically Induced Conditional Rescue of the <i>Reduced Epidermal Fluorescence8</i> Mutant of <i>Arabidopsis</i> Reveals Rapid Restoration of Growth and Selective Turnover of Secondary Metabolite Pools. <i>Plant Physiology</i> , 2014, 164, 584-595.	4.8	38
16	Overcoming cellulose recalcitrance in woody biomass for the lignin-first biorefinery. <i>Biotechnology for Biofuels</i> , 2019, 12, 171.	6.2	37
17	Vibrational Fingerprint Mapping Reveals Spatial Distribution of Functional Groups of Lignin in Plant Cell Wall. <i>Analytical Chemistry</i> , 2015, 87, 9436-9442.	6.5	32
18	Spatio-temporal control of phenylpropanoid biosynthesis by inducible complementation of a cinnamate 4-hydroxylase mutant. <i>Journal of Experimental Botany</i> , 2021, 72, 3061-3073.	4.8	22

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19	Mutation of Mediator subunit CDK 8 counteracts the stunted growth and salicylic acid hyperaccumulation phenotypes of an Arabidopsis MED 5 mutant. <i>New Phytologist</i> , 2019, 223, 233-245.	7.3	17
20	Tissue specific specialization of the nanoscale architecture of Arabidopsis. <i>Journal of Structural Biology</i> , 2013, 184, 103-114.	2.8	16
21	Genetic engineering of Arabidopsis to overproduce dissinapoyl esters, potential lignin modification molecules. <i>Biotechnology for Biofuels</i> , 2017, 10, 40.	6.2	16
22	Aldoxime Metabolism Is Linked to Phenylpropanoid Production in <i>Camelina sativa</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 17.	3.6	16
23	Aldoximes are precursors of auxins in Arabidopsis and maize. <i>New Phytologist</i> , 2021, 231, 1449-1461.	7.3	15
24	3-O-glycosylation of kaempferol restricts the supply of the benzenoid precursor of ubiquinone (Coenzyme Q) in Arabidopsis thaliana. <i>Phytochemistry</i> , 2021, 186, 112738.	2.9	6
25	A noninvasive, machine learning-based method for monitoring anthocyanin accumulation in plants using digital color imaging. <i>Applications in Plant Sciences</i> , 2019, 7, e11301.	2.1	5
26	Metabolite profiling reveals organ-specific flavone accumulation in <i>Scutellaria</i> and identifies a scutellarin isomer isoscutellarein 8-O-glucuronopyranoside. <i>Plant Direct</i> , 2021, 5, e372.	1.9	5
27	Metabolite analysis of Arabidopsis CYP79A2 overexpression lines reveals turnover of benzyl glucosinolate and an additive effect of different aldoximes on phenylpropanoid repression. <i>Plant Signaling and Behavior</i> , 2021, 16, 1966586.	2.4	3