

# Yong-Suk Chung

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

503  
citations

933264

10  
h-index

752573

20  
g-index

39  
all docs

39  
docs citations

39  
times ranked

486  
citing authors

#	ARTICLE	IF	CITATIONS
1	Root Response to Drought Stress in Rice ( <i>Oryza sativa</i> L.). <i>International Journal of Molecular Sciences</i> , 2020, 21, 1513.	1.8	157
2	Review: Cost-Effective Unmanned Aerial Vehicle (UAV) Platform for Field Plant Breeding Application. <i>Remote Sensing</i> , 2020, 12, 998.	1.8	59
3	Influence of Chitosan, Salicylic Acid and Jasmonic Acid on Phenylpropanoid Accumulation in Germinated Buckwheat ( <i>Fagopyrum esculentum</i> Moench). <i>Foods</i> , 2019, 8, 153.	1.9	37
4	High Throughput Phenotyping for Various Traits on Soybean Seeds Using Image Analysis. <i>Sensors</i> , 2020, 20, 248.	2.1	37
5	Case study: Estimation of sorghum biomass using digital image analysis with Canopeo. <i>Biomass and Bioenergy</i> , 2017, 105, 207-210.	2.9	31
6	Image-Based Machine Learning Characterizes Root Nodule in Soybean Exposed to Silicon. <i>Frontiers in Plant Science</i> , 2020, 11, 520161.	1.7	19
7	Plant Variety Protection: Current Practices and Insights. <i>Genes</i> , 2021, 12, 1127.	1.0	18
8	l-Lactic Acid Production Using Engineered <i>Saccharomyces cerevisiae</i> with Improved Organic Acid Tolerance. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 928.	1.5	15
9	New source of bacterial soft rot resistance in wild potato ( <i>Solanum chacoense</i> ) tubers. <i>Genetic Resources and Crop Evolution</i> , 2017, 64, 1963-1969.	0.8	14
10	Silicon Effects on the Root System of Diverse Crop Species Using Root Phenotyping Technology. <i>Plants</i> , 2021, 10, 885.	1.6	14
11	The Effect of Different Drying Methods on Primary and Secondary Metabolites in Korean Mint Flower. <i>Agronomy</i> , 2021, 11, 698.	1.3	13
12	A short review: Comparisons of high-throughput phenotyping methods for detecting drought tolerance. <i>Scientia Agricola</i> , 2021, 78, .	0.6	10
13	Germplasm evaluation of Kenaf ( <i>Hibiscus cannabinus</i> ) for alternative biomass for cellulosic ethanol production. <i>GCB Bioenergy</i> , 2021, 13, 201-210.	2.5	7
14	Effect of Roasting and Brewing on the Antioxidant and Antiproliferative Activities of Tartary Buckwheat. <i>Foods</i> , 2020, 9, 1331.	1.9	6
15	Image Analysis for Measuring Disease Symptom to Bacterial Soft Rot in Potato. <i>American Journal of Potato Research</i> , 2019, 96, 303-313.	0.5	5
16	Prediction of Dhurrin Metabolism by Transcriptome and Metabolome Analyses in Sorghum. <i>Plants</i> , 2020, 9, 1390.	1.6	5
17	Impact of copper treatment on phenylpropanoid biosynthesis in adventitious root culture of <i>Althaea officinalis</i> L.. <i>Preparative Biochemistry and Biotechnology</i> , 2022, 52, 283-291.	1.0	5
18	Validation of MADS-box genes from apple fruit pedicels during early fruit abscission by transcriptome analysis and real-time PCR. <i>Genes and Genomics</i> , 2019, 41, 1241-1251.	0.5	4

#	ARTICLE	IF	CITATIONS
19	Treatment with silicon fertilizer induces changes in root morphological traits in soybean ( <i>Glycine</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 222	0.7	4
20	RGB images-based vegetative index for phenotyping kenaf ( <i>Hibiscus cannabinus</i> L.). PLoS ONE, 2021, 16, e0256978.	1.1	4
21	Potential Use of Colored LED Lights to Increase the Production of Bioactive Metabolites <i>Hedyotis corymbosa</i> (L.) Lam. Plants, 2022, 11, 225.	1.6	4
22	Sustainable Agriculture by Increasing Nitrogen Fertilizer Efficiency Using Low-Resolution Camera Mounted on Unmanned Aerial Vehicles. International Journal of Environmental Research and Public Health, 2019, 16, 3893.	1.2	3
23	New Parameters for Seedling Vigor Developed via Phenomics. Applied Sciences (Switzerland), 2019, 9, 1752.	1.3	3
24	High-resolution melting analysis for identification of apple cultivars using simple sequence repeat markers. Plant Biotechnology Reports, 2019, 13, 337-344.	0.9	3
25	Betaine Hydrochloride Treatment Affects Growth and Phenylpropanoid Accumulation in Tartary Buckwheat ( <i>Fagopyrum tataricum</i> ) Seedlings under Salt Stress. Agronomy, 2020, 10, 906.	1.3	3
26	What Traits Should Be Measured for Biomass in Kenaf?. Plants, 2021, 10, 1394.	1.6	3
27	Investigation of Root Morphological Traits Using 2D-Imaging among Diverse Soybeans ( <i>Glycine max</i> L.). Plants, 2021, 10, 2535.	1.6	3
28	High-resolution melting (HRM) analysis with SNP or SSR markers related to apple skin color or rootstock identification. Journal of Crop Science and Biotechnology, 2020, 23, 229-234.	0.7	2
29	Resveratrol Biosynthesis in Hairy Root Cultures of Tan and Purple Seed Coat Peanuts. Agronomy, 2021, 11, 975.	1.3	2
30	A short review of RGB sensor applications for accessible high-throughput phenotyping. Journal of Crop Science and Biotechnology, 0, , 1.	0.7	2
31	Case study: cost-effective image analysis method to study drought stress of soybean in early vegetative stage. Journal of Crop Science and Biotechnology, 0, , 1.	0.7	2
32	The effect of gamma-irradiation on the changes of photosynthetic efficiency in Kanpei ( <i>Citrus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	0.9	2
33	SPAD: potential phenotyping method for characterization of blueberry. Molecular Biology Reports, 2022, , .	1.0	2
34	Rapid real-time detection method of ACLSV and ASSVd for apple quarantine field. Plant Biotechnology Reports, 2021, 15, 187-195.	0.9	1
35	Monitoring Temperature Variation in Rising Small Defunct Volcano on Jeju Island, Republic of Korea, Using High-Resolution Sentinel-2 Images. Atmosphere, 2022, 13, 576.	1.0	1
36	Comparison of Various Kinds of Vegetative Indices for Chlorophyll Contents Using Low-Resolution Camera. Journal of Crop Science and Biotechnology, 2020, 23, 73-79.	0.7	0

#	ARTICLE	IF	CITATIONS
37	Impact of Betaine Under Salinity on Accumulation of Phenolic Compounds in Safflower ( <i>Carthamus tinctorius</i> L.) Sprouts. Natural Product Communications, 2021, 16, 1934578X2110150.	0.2	0
38	Radiation treatment to turfgrass cultivar to improve drought tolerance cultivar breeding. Plant Biotechnology Reports, 0, , .	0.9	0