

Seung Hwan Yang

List of Publications by Year in descending order

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82
papers

2,526
citations

201674

27
h-index

223800

46
g-index

82
all docs

82
docs citations

82
times ranked

3648
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of actinobacteria on plant disease suppression and growth promotion. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 9621-9636.	3.6	323
2	ANAC012, a member of the plant-specific NAC transcription factor family, negatively regulates xylary fiber development in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2007, 50, 1035-1048.	5.7	193
3	Environmental impacts of genetically modified plants: A review. <i>Environmental Research</i> , 2017, 156, 818-833.	7.5	103
4	Green coffee bean extract improves obesity by decreasing body fat in high-fat diet-induced obese mice. <i>Asian Pacific Journal of Tropical Medicine</i> , 2016, 9, 635-643.	0.8	93
5	Comparative genomic and transcriptomic analyses of Family-1 UDP glycosyltransferase in three Brassica species and <i>Arabidopsis</i> indicates stress-responsive regulation. <i>Scientific Reports</i> , 2018, 8, 1875.	3.3	82
6	Impact on environment, ecosystem, diversity and health from culturing and using GMOs as feed and food. <i>Food and Chemical Toxicology</i> , 2017, 107, 108-121.	3.6	74
7	Transcription factors WRKY11 and WRKY17 are involved in abiotic stress responses in <i>Arabidopsis</i> . <i>Journal of Plant Physiology</i> , 2018, 226, 12-21.	3.5	71
8	Preliminary probiotic and technological characterization of <i>Pediococcus pentosaceus</i> strain KID7 and in vivo assessment of its cholesterol-lowering activity. <i>Frontiers in Microbiology</i> , 2015, 6, 768.	3.5	69
9	Expression of ABA 8-hydroxylases in relation to leaf water relations and seed development in bean. <i>Plant Journal</i> , 2006, 47, 675-686.	5.7	66
10	Microbial chitinases: properties, current state and biotechnological applications. <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 144.	3.6	55
11	Optimization of Microwave-Assisted Extraction of Polysaccharides from <i>Ulva pertusa</i> and Evaluation of Their Antioxidant Activity. <i>Antioxidants</i> , 2019, 8, 129.	5.1	54
12	Hypertonic Stress Increased Extracellular ATP Levels and the Expression of Stress-Responsive Genes in <i>Arabidopsis thaliana</i> Seedlings. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 1252-1256.	1.3	50
13	Genome-wide analysis of Family-1 UDP-glycosyltransferases in soybean confirms their abundance and varied expression during seed development. <i>Journal of Plant Physiology</i> , 2016, 206, 87-97.	3.5	50
14	Addressing concerns over the fate of DNA derived from genetically modified food in the human body: A review. <i>Food and Chemical Toxicology</i> , 2019, 124, 423-430.	3.6	49
15	Deregulation of Sucrose-Controlled Translation of a bZIP-Type Transcription Factor Results in Sucrose Accumulation in Leaves. <i>PLoS ONE</i> , 2012, 7, e33111.	2.5	48
16	Genetic and functional characterization of culturable plant-beneficial actinobacteria associated with yam rhizosphere. <i>Journal of Basic Microbiology</i> , 2013, 53, 985-995.	3.3	48
17	Specific Association of Transcripts of <i>tbzF</i> and <i>tbz17</i> , Tobacco Genes Encoding Basic Region Leucine Zipper-Type Transcriptional Activators, with Guard Cells of Senescing Leaves and/or Flowers. <i>Plant Physiology</i> , 2001, 127, 23-32.	4.8	45
18	A polymethoxy flavonoids-rich <i>Citrus aurantium</i> extract ameliorates ethanol-induced liver injury through modulation of AMPK and Nrf2-related signals in a binge drinking mouse model. <i>Phytotherapy Research</i> , 2015, 29, 1577-1584.	5.8	44

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19	Antibiotic Resistance Mechanisms Inform Discovery: Identification and Characterization of a Novel Amycolatopsis Strain Producing Ristocetin. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5687-5695.	3.2	43
20	Bioautography with TLC-MS/NMR for Rapid Discovery of Anti-tuberculosis Lead Compounds from Natural Sources. <i>ACS Infectious Diseases</i> , 2016, 2, 294-301.	3.8	43
21	In-Depth Genomic and Transcriptomic Analysis of Five K ⁺ Transporter Gene Families in Soybean Confirm Their Differential Expression for Nodulation. <i>Frontiers in Plant Science</i> , 2017, 8, 804.	3.6	40
22	Optimizing lignocellulosic feedstock for improved biofuel productivity and processing. <i>Biofuels, Bioproducts and Biorefining</i> , 2007, 1, 135-146.	3.7	39
23	Functional Probiotic Characterization and In Vivo Cholesterol-Lowering Activity of <i>Lactobacillus helveticus</i> Isolated from Fermented Cow Milk. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 1675-1686.	2.1	37
24	Soyasaponins Aa and Ab Exert an Anti-Obesity Effect in 3T3-L1 Adipocytes Through Downregulation of PPAR β . <i>Phytotherapy Research</i> , 2015, 29, 281-287.	5.8	33
25	Hepatoprotective effects of polymethoxyflavones against acute and chronic carbon tetrachloride intoxication. <i>Food and Chemical Toxicology</i> , 2016, 91, 91-99.	3.6	33
26	Genome and transcriptome-wide analyses of cellulose synthase gene superfamily in soybean. <i>Journal of Plant Physiology</i> , 2017, 215, 163-175.	3.5	32
27	Systems Identification and Characterization of Cell Wall Reassembly and Degradation Related Genes in <i>Glycine max</i> (L.) Merrill, a Bioenergy Legume. <i>Scientific Reports</i> , 2017, 7, 10862.	3.3	30
28	Characterization of a chitinase from <i>Salinivibrio</i> sp. BAO1801 as an antifungal activity and a biocatalyst for producing chitobiose. <i>Journal of Basic Microbiology</i> , 2018, 58, 848-856.	3.3	28
29	Neuroprotective effects of <i>Scrophularia buergeriana</i> extract against glutamate-induced toxicity in SH-SY5Y cells. <i>International Journal of Molecular Medicine</i> , 2019, 43, 2144-2152.	4.0	26
30	Co-encapsulation of lactic acid bacteria and prebiotic with alginate-fenugreek gum-locust bean gum matrix: Viability of encapsulated bacteria under simulated gastrointestinal condition and during storage time. <i>Biotechnology and Bioprocess Engineering</i> , 2017, 22, 265-271.	2.6	25
31	Ntdin, a Tobacco Senescence-Associated Gene, is Involved in Molybdenum Cofactor Biosynthesis. <i>Plant and Cell Physiology</i> , 2003, 44, 1037-1044.	3.1	23
32	In vitro probiotic characterization of <i>Lactobacillus</i> strains from fermented radish and their anti-adherence activity against enteric pathogens. <i>Canadian Journal of Microbiology</i> , 2015, 61, 837-850.	1.7	23
33	Genome-wide characterization and expression pattern of auxin response factor (ARF) gene family in soybean and common bean. <i>Genes and Genomics</i> , 2016, 38, 1165-1178.	1.4	23
34	Probiotic Characterization of Cholesterol-Lowering <i>Lactobacillus fermentum</i> MJM60397. <i>Probiotics and Antimicrobial Proteins</i> , 2020, 12, 1161-1172.	3.9	22
35	Roots extracts of <i>Adenophora triphylla</i> var. <i>japonica</i> improve obesity in 3T3-L1 adipocytes and high-fat diet-induced obese mice. <i>Asian Pacific Journal of Tropical Medicine</i> , 2015, 8, 898-906.	0.8	21
36	Protective effects of a polymethoxy flavonoids-rich <i>Citrus aurantium</i> peel extract on liver fibrosis induced by bile duct ligation in mice. <i>Asian Pacific Journal of Tropical Medicine</i> , 2016, 9, 1158-1164.	0.8	21

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37	Genetic diversity and population structure of Korean wild soybean (<i>Glycine soja</i> Sieb. and Zucc.) inferred from microsatellite markers. <i>Biochemical Systematics and Ecology</i> , 2017, 71, 87-96.	1.3	21
38	<i>Cissus quadrangularis</i> extract (CQR-300) inhibits lipid accumulation by downregulating adipogenesis and lipogenesis in 3T3-L1 cells. <i>Toxicology Reports</i> , 2018, 5, 608-614.	3.3	21
39	Evidence for Abscisic Acid Biosynthesis in <i>Cuscuta reflexa</i> , a Parasitic Plant Lacking Neoxanthin. <i>Plant Physiology</i> , 2008, 147, 816-822.	4.8	20
40	An Improved Method to Resolve Plant Saponins and Sugars by TLC. <i>Chromatographia</i> , 2012, 75, 1445-1449.	1.3	20
41	Probiotic potential of novel <i>Lactobacillus</i> strains isolated from salted-fermented shrimp as antagonists for <i>Vibrio parahaemolyticus</i> . <i>Journal of Microbiology</i> , 2018, 56, 138-144.	2.8	19
42	Hytramycins V and I, Anti- <i>Mycobacterium tuberculosis</i> Hexapeptides from a <i>Streptomyces hygrosopicus</i> Strain. <i>Journal of Natural Products</i> , 2013, 76, 2009-2018.	3.0	18
43	Soyasaponin Ag inhibits α -MSH-induced melanogenesis in B16F10 melanoma cells via the downregulation of TRP-2. <i>International Journal of Molecular Medicine</i> , 2017, 40, 631-636.	4.0	18
44	Genetic Diversity, Population Structure and Marker-Trait Association for 100-Seed Weight in International Safflower Panel Using SilicoDArT Marker Information. <i>Plants</i> , 2020, 9, 652.	3.5	18
45	Anti-inflammatory effects of soyasapogenol I α via downregulation of the MAPK signaling pathway in LPS-induced RAW 264.7 macrophages. <i>Food and Chemical Toxicology</i> , 2018, 113, 211-217.	3.6	17
46	<i>Streptomyces</i> sp. strain SK68, isolated from peanut rhizosphere, promotes growth and alleviates salt stress in tomato (<i>Solanum lycopersicum</i> cv. Micro-Tom). <i>Journal of Microbiology</i> , 2018, 56, 753-759.	2.8	16
47	Characterization of Cellulose Synthase A (CESA) Gene Family in Eudicots. <i>Biochemical Genetics</i> , 2019, 57, 248-272.	1.7	16
48	Isoflavone profile diversity in Korean wild soybeans (<i>Glycine soja</i> Sieb. & Zucc.). <i>Türk Tarım Ve Ormancılık Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2018, 42, 248-261.	2.1	15
49	Anticancer Activity of the Potential <i>Pyropia yezoensis</i> Galactan Fractionated in Human Prostate Cancer Cells. <i>Biotechnology and Bioprocess Engineering</i> , 2021, 26, 63-70.	2.6	15
50	Intracellular ATP Levels Affect Secondary Metabolite Production in <i>Streptomyces</i> spp.. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 1576-1581.	1.3	14
51	Molecular cloning and characterization of the ABA-specific glucosyltransferase gene from bean (<i>Phaseolus vulgaris</i> L.). <i>Journal of Plant Physiology</i> , 2015, 178, 1-9.	3.5	13
52	In Vitro Characterization of <i>Lactobacillus plantarum</i> Strains with Inhibitory Activity on Enteropathogens for Use as Potential Animal Probiotics. <i>Indian Journal of Microbiology</i> , 2017, 57, 201-210.	2.7	13
53	Enhanced growth rate and ulvan yield of <i>Ulva pertusa</i> using light-emitting diodes (LEDs). <i>Aquaculture International</i> , 2018, 26, 937-946.	2.2	12
54	Functional characterization of naturally occurring wild soybean mutant (sg-5) lacking astringent saponins using whole genome sequencing approach. <i>Plant Science</i> , 2018, 267, 148-156.	3.6	12

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55	Isolation of Weissella strains as potent probiotics to improve antioxidant activity of salted squid by fermentation. <i>Journal of Applied Biological Chemistry</i> , 2018, 61, 93-100.	0.4	12
56	Rice bran fermentation by lactic acid bacteria to enhance antioxidant activities and increase the ferulic acid, p-coumaric acid, and β -oryzanol content. <i>Journal of Applied Biological Chemistry</i> , 2019, 62, 257-264.	0.4	12
57	Characterization of AtbZIP2, AtbZIP11 and AtbZIP53 from the group S basic region-leucine zipper family in <i>Arabidopsis thaliana</i> . <i>Plant Biotechnology</i> , 2006, 23, 249-258.	1.0	11
58	Enrichment of ginsenoside Rd in <i>Panax ginseng</i> extract with combination of enzyme treatment and high hydrostatic pressure. <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 608-613.	2.6	11
59	Fermentative transformation of ginsenoside Rb1 from <i>Panax ginseng</i> C. A. Meyer to Rg3 and Rh2 by <i>Lactobacillus paracasei</i> subsp. <i>tolerans</i> MJM60396. <i>Biotechnology and Bioprocess Engineering</i> , 2016, 21, 587-594.	2.6	11
60	A DNA-binding factor, ArfA, interacts with the bldH promoter and affects undecylprodigiosin production in <i>Streptomyces lividans</i> . <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 319-323.	2.1	10
61	Probiotic Characterization of <i>Lactobacillus paracasei</i> subsp. <i>paracasei</i> KNI9 Inhibiting Adherence of <i>Yersinia enterocolitica</i> on Caco-2 Cells In Vitro. <i>Probiotics and Antimicrobial Proteins</i> , 2020, 12, 600-607.	3.9	10
62	Soyisoflavone diversity in wild soybeans (<i>Glycine soja</i> Sieb. & Zucc.) from the main centres of diversity. <i>Biochemical Systematics and Ecology</i> , 2018, 77, 16-21.	1.3	9
63	Ameliorating effect of <i>Citrus</i> and <i>Zauroanthium</i> extracts and nobiletin on β -amyloid (A β)-induced memory impairment in mice. <i>Molecular Medicine Reports</i> , 2019, 20, 3448-3455.	2.4	9
64	Wild Soybeans: An Opportunistic Resource for Soybean Improvement. , 0, , .		8
65	<i>Scrophularia buergeriana</i> Extract Improves Memory Impairment via Inhibition of the Apoptosis Pathway in the Mouse Hippocampus. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7987.	2.5	7
66	In-Depth Genetic Diversity and Population Structure of Endangered Peruvian Amazon Rosewood Germplasm Using Genotyping by Sequencing (GBS) Technology. <i>Forests</i> , 2021, 12, 197.	2.1	7
67	Anti-inflammatory Effects of <i>Scrophularia buergeriana</i> Extract Mixture Fermented with Lactic Acid Bacteria. <i>Biotechnology and Bioprocess Engineering</i> , 2022, 27, 370-378.	2.6	7
68	ATP Modulates the Growth of Specific Microbial Strains. <i>Current Microbiology</i> , 2011, 62, 84-89.	2.2	6
69	Molecular Elucidation of Two Novel Seed Specific Flavonoid Glycosyltransferases in Soybean. <i>Journal of Plant Biology</i> , 2018, 61, 320-329.	2.1	6
70	Draft Genome Sequence of Ristocetin-Producing Strain <i>Amycolatopsis</i> sp. Strain MJM2582 Isolated in South Korea. <i>Genome Announcements</i> , 2014, 2, .	0.8	5
71	<i>Cissus quadrangularis</i> Extracts Decreases Body Fat Through Regulation of Fatty acid Synthesis in High-fat Diet-induced Obese Mice. <i>Journal of Applied Biological Chemistry</i> , 2016, 59, 49-56.	0.4	5
72	Promoter analysis of tbzF, a gene encoding a bZIP-type transcription factor, reveals distinct variation in cis-regions responsible for transcriptional activation between senescing leaves and flower buds in tobacco plants. <i>Plant Science</i> , 2002, 162, 973-980.	3.6	4

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73	Effects of two putative LacI-family transcriptional regulators, SCO4158 and SCO7554, on antibiotic pigment production of <i>Streptomyces coelicolor</i> and <i>Streptomyces lividans</i> . <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2012, 55, 737-741.	0.9	4
74	Optimizing the fermentation condition of low salted squid jeotgal by lactic acid bacteria with enhanced antioxidant activity. <i>Journal of Applied Biological Chemistry</i> , 2017, 60, 391-402.	0.4	4
75	Isolation and characterization of anti-methicillin-resistant <i>Staphylococcus aureus</i> /vancomycin-resistant <i>Enterococcus</i> compound from <i>Streptomyces bungeensis</i> MJM 2077. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2013, 56, 107-111.	0.9	3
76	Efficient method for large-scale preparation of two components H and I of Sg-6 saponins from whole seeds of wild soybean (<i>Glycine soja</i> Sieb. and Zucc.). <i>Journal of Liquid Chromatography and Related Technologies</i> , 2016, 39, 640-646.	1.0	2
77	Genetic architecture of wild soybean (<i>Glycine soja</i> Sieb. and Zucc.) populations originating from different East Asian regions. <i>Genetic Resources and Crop Evolution</i> , 2021, 68, 1577-1588.	1.6	2
78	Differential anticancer effect of fermented squid jeotgal due to varying concentrations of soymilk additive. <i>Journal of Applied Biological Chemistry</i> , 2017, 60, 133-136.	0.4	2
79	Anti-multi drug resistant pathogen activity of siderochelin A, produced by a novel <i>Amycolatopsis</i> sp. KCTC 29142. <i>Korean Journal of Microbiology</i> , 2016, 52, 327-335.	0.2	1
80	Anti-aging skin and antioxidant assays of protein hydrolysates obtained from salted shrimp fermented with <i>Salinivibrio cibaria</i> BAO-01. <i>Journal of Applied Biological Chemistry</i> , 2020, 63, 203-209.	0.4	1
81	Inhibitory Effects of Soyasaponins on Antigen-induced Degranulation in RBL-2H3 Cells. <i>Journal of Applied Biological Chemistry</i> , 2015, 58, 287-290.	0.4	0
82	Isolation and quantitative analysis of metabolites from <i>Scrophularia buergeriana</i> and their hepatoprotective effects against HepG2 Cells. <i>Journal of Applied Biological Chemistry</i> , 2019, 62, 399-406.	0.4	0