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	Anti-inflammatory Effects of Scrophularia buergeriana Extract Mixture Fermented with Lactic Acid Bacteria. Biotechnology and Bioprocess Engineering, 2022, 27, 370-378.	2.6	7
2	Anticancer Activity of the Potential Pyropia yezoensis Galactan Fractionated in Human Prostate Cancer Cells. Biotechnology and Bioprocess Engineering, 2021, 26, 63-70.	2.6	15
3	Genetic architecture of wild soybean (Glycine soja Sieb. and Zucc.) populations originating from different East Asian regions. Genetic Resources and Crop Evolution, 2021, 68, 1577-1588.	1.6	2
4	In-Depth Genetic Diversity and Population Structure of Endangered Peruvian Amazon Rosewood Germplasm Using Genotyping by Sequencing (GBS) Technology. Forests, 2021, 12, 197.	2.1	7
5	Probiotic Characterization of Cholesterol-Lowering Lactobacillus fermentum MJM60397. Probiotics and Antimicrobial Proteins, 2020, 12, 1161-1172.	3.9	22
6	Probiotic Characterization of Lactobacillus paracasei subsp. paracasei KNI9 Inhibiting Adherence of Yersinia enterocolitica on Caco-2 Cells In Vitro. Probiotics and Antimicrobial Proteins, 2020, 12, 600-607.	3.9	10
7	Scrophularia buergeriana Extract Improves Memory Impairment via Inhibition of the Apoptosis Pathway in the Mouse Hippocampus. Applied Sciences (Switzerland), 2020, 10, 7987.	2.5	7
8	Genetic Diversity, Population Structure and Marker-Trait Association for 100-Seed Weight in International Safflower Panel Using SilicoDArT Marker Information. Plants, 2020, 9, 652.	3.5	18
9	Anti-aging skin and antioxidant assays of protein hydrolysates obtained from salted shrimp fermented with Salinivibrio cibaria BAO-01. Journal of Applied Biological Chemistry, 2020, 63, 203-209.	0.4	1
10	Microbial chitinases: properties, current state and biotechnological applications. World Journal of Microbiology and Biotechnology, 2019, 35, 144.	3.6	55
11	Optimization of Microwave-Assisted Extraction of Polysaccharides from Ulva pertusa and Evaluation of Their Antioxidant Activity. Antioxidants, 2019, 8, 129.	5.1	54
12	Neuroprotective effects of Scrophularia buergeriana extract against glutamate-induced toxicity in SH-SY5Y cells. International Journal of Molecular Medicine, 2019, 43, 2144-2152.	4.0	26
13	Addressing concerns over the fate of DNA derived from genetically modified food in the human body: A review. Food and Chemical Toxicology, 2019, 124, 423-430.	3.6	49
14	Characterization of Cellulose Synthase A (CESA) Gene Family in Eudicots. Biochemical Genetics, 2019, 57, 248-272.	1.7	16
15	Rice bran fermentation by lactic acid bacteria to enhance antioxidant activities and increase the ferulic acid, Ï•coumaric acid, and Î³-oryzanol content. Journal of Applied Biological Chemistry, 2019, 62, 257-264.	0.4	12
16	Ameliorating effect of Citrusï¿½aurantium extracts and nobiletin on Î²â€˜amyloid (1â€˜42)â€˜induced memory impairment in mice. Molecular Medicine Reports, 2019, 20, 3448-3455.	2.4	9
17	Isolation and quantitative analysis of metabolites from Scrophularia buergeriana and their hepatoprotective effects against HepG2 Cells. Journal of Applied Biological Chemistry, 2019, 62, 399-406.	0.4	0
18	Enhanced growth rate and ulvan yield of Ulva pertusa using light-emitting diodes (LEDs). Aquaculture International, 2018, 26, 937-946.	2.2	12

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19	Comparative genomic and transcriptomic analyses of Family-1 UDP glycosyltransferase in three Brassica species and Arabidopsis indicates stress-responsive regulation. Scientific Reports, 2018, 8, 1875.	3.3	82
20	Soyisoflavone diversity in wild soybeans (Glycine soja Sieb. & Zucc.) from the main centres of diversity. Biochemical Systematics and Ecology, 2018, 77, 16-21.	1.3	9
21	Anti-inflammatory effects of soyasapogenol I-Î±a via downregulation of the MAPK signaling pathway in LPS-induced RAW 264.7 macrophages. Food and Chemical Toxicology, 2018, 113, 211-217.	3.6	17
22	Probiotic potential of novel Lactobacillus strains isolated from salted-fermented shrimp as antagonists for Vibrio parahaemolyticus. Journal of Microbiology, 2018, 56, 138-144.	2.8	19
23	Functional characterization of naturally occurring wild soybean mutant (sg-5) lacking astringent saponins using whole genome sequencing approach. Plant Science, 2018, 267, 148-156.	3.6	12
24	Transcription factors WRKY11 and WRKY17 are involved in abiotic stress responses in Arabidopsis. Journal of Plant Physiology, 2018, 226, 12-21.	3.5	71
25	Cissus quadrangularis extract (CQR-300) inhibits lipid accumulation by downregulating adipogenesis and lipogenesis in 3T3-L1 cells. Toxicology Reports, 2018, 5, 608-614.	3.3	21
26	Streptomyces sp. strain SK68, isolated from peanut rhizosphere, promotes growth and alleviates salt stress in tomato (Solanum lycopersicum cv. Micro-Tom). Journal of Microbiology, 2018, 56, 753-759.	2.8	16
27	Molecular Elucidation of Two Novel Seed Specific Flavonoid Glycosyltransferases in Soybean. Journal of Plant Biology, 2018, 61, 320-329.	2.1	6
28	Isoflavone profile diversity in Korean wild soybeans (Glycine soja Sieb. & Zucc.). Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2018, 42, 248-261.	2.1	15
29	Characterization of a chitinase from Salinivibrio sp. BAOâ€1801 as an antifungal activity and a biocatalyst for producing chitobiose. Journal of Basic Microbiology, 2018, 58, 848-856.	3.3	28
30	Isolation of Weissella strains as potent probiotics to improve antioxidant activity of salted squid by fermentation. Journal of Applied Biological Chemistry, 2018, 61, 93-100.	0.4	12
31	Genetic diversity and population structure of Korean wild soybean (Glycine soja Sieb. and Zucc.) inferred from microsatellite markers. Biochemical Systematics and Ecology, 2017, 71, 87-96.	1.3	21
32	In Vitro Characterization of Lactobacillus plantarum Strains with Inhibitory Activity on Enteropathogens for Use as Potential Animal Probiotics. Indian Journal of Microbiology, 2017, 57, 201-210.	2.7	13
33	Genome and transcriptome-wide analyses of cellulose synthase gene superfamily in soybean. Journal of Plant Physiology, 2017, 215, 163-175.	3.5	32
34	Environmental impacts of genetically modified plants: A review. Environmental Research, 2017, 156, 818-833.	7.5	103
35	Systems Identification and Characterization of Cell Wall Reassembly and Degradation Related Genes in Glycine max (L.) Merill, a Bioenergy Legume. Scientific Reports, 2017, 7, 10862.	3.3	30
36	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. Biotechnology and Bioprocess Engineering, 2017, 22, 265-271.	2.6	25

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37	Soyasaponin Ag inhibits Î±-MSH-induced melanogenesis in B16F10 melanoma cells via the downregulation of TRP-2. International Journal of Molecular Medicine, 2017, 40, 631-636.	4.0	18
38	Impact on environment, ecosystem, diversity and health from culturing and using GMOs as feed and food. Food and Chemical Toxicology, 2017, 107, 108-121.	3.6	74
39	In-Depth Genomic and Transcriptomic Analysis of Five K+ Transporter Gene Families in Soybean Confirm Their Differential Expression for Nodulation. Frontiers in Plant Science, 2017, 8, 804.	3.6	40
40	Differential anticancer effect of fermented squid jeotgal due to varying concentrations of soymilk additive. Journal of Applied Biological Chemistry, 2017, 60, 133-136.	0.4	2
41	Optimizing the fermentation condition of low salted squid jeotgal by lactic acid bacteria with enhanced antioxidant activity. Journal of Applied Biological Chemistry, 2017, 60, 391-402.	0.4	4
42	Genome-wide analysis of Family-1 UDP-glycosyltransferases in soybean confirms their abundance and varied expression during seed development. Journal of Plant Physiology, 2016, 206, 87-97.	3.5	50
43	Genome-wide characterization and expression pattern of auxin response factor (ARF) gene family in soybean and common bean. Genes and Genomics, 2016, 38, 1165-1178.	1.4	23
44	Fermentative transformation of ginsenoside Rb1 from Panax ginseng C. A. Meyer to Rg3 and Rh2 by Lactobacillus paracasei subsp. tolerans MJM60396. Biotechnology and Bioprocess Engineering, 2016, 21, 587-594.	2.6	11
45	Efficient method for large-scale preparation of two components H and I of Sg-6 saponins from whole seeds of wild soybean (Glycine soja Sieb. and Zucc.). Journal of Liquid Chromatography and Related Technologies, 2016, 39, 640-646.	1.0	2
46	Protective effects of a polymethoxy flavonoids-rich Citrus aurantium peel extract on liver fibrosis induced by bile duct ligation in mice. Asian Pacific Journal of Tropical Medicine, 2016, 9, 1158-1164.	0.8	21
47	Green coffee bean extract improves obesity by decreasing body fat in high-fat diet-induced obese mice. Asian Pacific Journal of Tropical Medicine, 2016, 9, 635-643.	0.8	93
48	Hepatoprotective effects of polymethoxyflavones against acute and chronic carbon tetrachloride intoxication. Food and Chemical Toxicology, 2016, 91, 91-99.	3.6	33
49	Bioautography with TLC-MS/NMR for Rapid Discovery of Anti-tuberculosis Lead Compounds from Natural Sources. ACS Infectious Diseases, 2016, 2, 294-301.	3.8	43
50	Cissus quadrangularis Extracts Decreases Body Fat Through Regulation of Fatty acid Synthesis in High-fat Diet-induced Obese Mice. Journal of Applied Biological Chemistry, 2016, 59, 49-56.	0.4	5
51	Functional Probiotic Characterization and In Vivo Cholesterol-Lowering Activity of Lactobacillus helveticus Isolated from Fermented Cow Milk. Journal of Microbiology and Biotechnology, 2016, 26, 1675-1686.	2.1	37
52	Anti-multi drug resistant pathogen activity of siderochelin A, produced by a novel Amycolatopsis sp. KCTC 29142. Korean Journal of Microbiology, 2016, 52, 327-335.	0.2	1
53	A polymethoxy flavonoids-rich Citrus aurantium extract ameliorates ethanol-induced liver injury through modulation of AMPK and Nrf2-related signals in a binge drinking mouse model. Phytotherapy Research, 2015, 29, 1577-1584.	5.8	44
54	Preliminary probiotic and technological characterization of Pediococcus pentosaceus strain KID7 and in vivo assessment of its cholesterol-lowering activity. Frontiers in Microbiology, 2015, 6, 768.	3.5	69

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55	Molecular cloning and characterization of the ABA-specific glucosyltransferase gene from bean (Phaseolus vulgaris L.). Journal of Plant Physiology, 2015, 178, 1-9.	3.5	13
56	Enrichment of ginsenoside Rd in Panax ginseng extract with combination of enzyme treatment and high hydrostatic pressure. Biotechnology and Bioprocess Engineering, 2015, 20, 608-613.	2.6	11
57	Soyasaponins Aa and Ab Exert an Anti-Obesity Effect in 3T3-L1 Adipocytes Through Downregulation of PPARÎ³. Phytotherapy Research, 2015, 29, 281-287.	5.8	33
58	In vitro probiotic characterization ofLactobacillusstrains from fermented radish and their anti-adherence activity against enteric pathogens. Canadian Journal of Microbiology, 2015, 61, 837-850.	1.7	23
59	Roots extracts of Adenophora triphylla var. japonica improve obesity in 3T3-L1 adipocytes and high-fat diet-induced obese mice. Asian Pacific Journal of Tropical Medicine, 2015, 8, 898-906.	0.8	21
60	Inhibitory Effects of Soyasaponins on Antigen-induced Degranulation in RBL-2H3 Cells. Journal of Applied Biological Chemistry, 2015, 58, 287-290.	0.4	0
61	Antibiotic Resistance Mechanisms Inform Discovery: Identification and Characterization of a Novel Amycolatopsis Strain Producing Ristocetin. Antimicrobial Agents and Chemotherapy, 2014, 58, 5687-5695.	3.2	43
62	Draft Genome Sequence of Ristocetin-Producing Strain Amycolatopsis sp. Strain MJM2582 Isolated in South Korea. Genome Announcements, 2014, 2, .	0.8	5
63	Effects of actinobacteria on plant disease suppression and growth promotion. Applied Microbiology and Biotechnology, 2013, 97, 9621-9636.	3.6	323
64	Hytramycins V and I, Anti-Mycobacterium tuberculosisHexapeptides from aStreptomyces hygroscopicusStrain. Journal of Natural Products, 2013, 76, 2009-2018.	3.0	18
65	Genetic and functional characterization of culturable plantâ€beneficial actinobacteria associated with yam rhizosphere. Journal of Basic Microbiology, 2013, 53, 985-995.	3.3	48
66	Isolation and characterization of anti-methicillinresistant Staphylococcus aureus/vancomycinresistant Enterococcus compound from Streptomyces bungoensis MJM 2077. Journal of the Korean Society for Applied Biological Chemistry, 2013, 56, 107-111.	0.9	3
67	An Improved Method to Resolve Plant Saponins and Sugars by TLC. Chromatographia, 2012, 75, 1445-1449.	1.3	20
68	Effects of two putative LacI-family transcriptional regulators, SCO4158 and SCO7554, on antibiotic pigment production of Streptomyces coelicolor and Streptomyces lividans. Journal of the Korean Society for Applied Biological Chemistry, 2012, 55, 737-741.	0.9	4
69	Deregulation of Sucrose-Controlled Translation of a bZIP-Type Transcription Factor Results in Sucrose Accumulation in Leaves. PLoS ONE, 2012, 7, e33111.	2.5	48
70	Intracellular ATP Levels Affect Secondary Metabolite Production inStreptomycesspp.. Bioscience, Biotechnology and Biochemistry, 2011, 75, 1576-1581.	1.3	14
71	ATP Modulates the Growth of Specific Microbial Strains. Current Microbiology, 2011, 62, 84-89.	2.2	6
72	Hypertonic Stress Increased Extracellular ATP Levels and the Expression of Stress-Responsive Genes inArabidopsis thalianaSeedlings. Bioscience, Biotechnology and Biochemistry, 2009, 73, 1252-1256.	1.3	50

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73	A DNA-binding factor, ArfA, interacts with the bldH promoter and affects undecylprodigiosin production in Streptomyces lividans. Biochemical and Biophysical Research Communications, 2009, 379, 319-323.	2.1	10
74	Evidence for Abscisic Acid Biosynthesis in Cuscuta reflexa, a Parasitic Plant Lacking Neoxanthin Â Â. Plant Physiology, 2008, 147, 816-822.	4.8	20
75	Optimizing lignocellulosic feedstock for improved biofuel productivity and processing. Biofuels, Bioproducts and Biorefining, 2007, 1, 135-146.	3.7	39
76	ANAC012, a member of the plant-specific NAC transcription factor family, negatively regulates xylary fiber development in Arabidopsis thaliana. Plant Journal, 2007, 50, 1035-1048.	5.7	193
77	Characterization of AtbZIP2, AtbZIP11 and AtbZIP53 from the group S basic region-leucine zipper family in Arabidopsis thaliana. Plant Biotechnology, 2006, 23, 249-258.	1.0	11
78	Expression of ABA 8â€²-hydroxylases in relation to leaf water relations and seed development in bean. Plant Journal, 2006, 47, 675-686.	5.7	66
79	Ntdin, a Tobacco Senescence-Associated Gene, is Involved in Molybdenum Cofactor Biosynthesis. Plant and Cell Physiology, 2003, 44, 1037-1044.	3.1	23
80	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. Plant Science, 2002, 162, 973-980.	3.6	4
81	Specific Association of Transcripts of tbzF andtbz17, Tobacco Genes Encoding Basic Region Leucine Zipper-Type Transcriptional Activators, with Guard Cells of Senescing Leaves and/or Flowers. Plant Physiology, 2001, 127, 23-32.	4.8	45
82	Wild Soybeans: An Opportunistic Resource for Soybean Improvement. , 0, , .		8