Jae Kwang Kim

List of Publications by Year
in descending order

191	4,589	109137	174990
papers	citations	35 h-index	52 g-index

193	193	193	5224
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Time-course metabolic profiling in Arabidopsis thaliana cell cultures after salt stress treatment*. Journal of Experimental Botany, 2007, 58, 415-424.	2.4	256
2	Variation and Correlation Analysis of Flavonoids and Carotenoids in Korean Pigmented Rice (Oryza) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.4	112
3	Comparative metabolic profiling of pigmented rice (Oryza sativa L.) cultivars reveals primary metabolites are correlated with secondary metabolites. Journal of Cereal Science, 2013, 57, 14-20.	1.8	96
4	Geographic authentication of Asian rice (Oryza sativa L.) using multi-elemental and stable isotopic data combined with multivariate analysis. Food Chemistry, 2018, 240, 840-849.	4.2	96
5	Variation of glucosinolates in vegetable crops of Brassica rapa L. ssp. pekinensis. Food Chemistry, 2010, 119, 423-428.	4.2	93
6	Genetic Modification of the Soybean to Enhance the Î²-Carotene Content through Seed-Specific Expression. PLoS ONE, 2012, 7, e48287.	1.1	84
7	Effects of White, Blue, and Red Light-Emitting Diodes on Carotenoid Biosynthetic Gene Expression Levels and Carotenoid Accumulation in Sprouts of Tartary Buckwheat (Fagopyrum tataricum Gaertn.). Journal of Agricultural and Food Chemistry, 2013, 61, 12356-12361.	2.4	79
8	Transcriptome analysis and metabolic profiling of green and red kale (Brassica oleracea var. acephala) seedlings. Food Chemistry, 2018, 241, 7-13.	4.2	75
9	Activation of anthocyanin biosynthesis by expression of the radish R2R3-MYB transcription factor gene RsMYB1. Plant Cell Reports, 2016, 35, 641-653.	2.8	73
10	Metabolomics Analysis and Biosynthesis of Rosmarinic Acid in Agastache rugosa Kuntze Treated with Methyl Jasmonate. PLoS ONE, 2013, 8, e64199.	1.1	73
11	Anthocyanin and Carotenoid Contents in Different Cultivars of Chrysanthemum (Dendranthema) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	72
12	Metabolic Profiling of Glucosinolates, Anthocyanins, Carotenoids, and Other Secondary Metabolites in Kohlrabi (Brassica oleracea var. gongylodes). Journal of Agricultural and Food Chemistry, 2012, 60, 8111-8116.	2.4	70
13	Unraveling the light-specific metabolic and regulatory signatures of rice through combined in silico modeling and multi-omics analysis. Plant Physiology, 2015, 169, pp.01379.2015.	2.3	68
14	Authenticity of rice (Oryza sativa L.) geographical origin based on analysis of C, N, O and S stable isotope ratios: a preliminary case report in Korea, China and Philippine. Journal of the Science of Food and Agriculture, 2016, 96, 2433-2439.	1.7	64
15	Metabolic Profiling and Antioxidant Assay of Metabolites from Three Radish Cultivars (Raphanus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	63
16	Discrimination of geographical origin of rice (Oryza sativa L.) by multielement analysis using inductively coupled plasma atomic emission spectroscopy and multivariate analysis. Journal of Cereal Science, 2015, 65, 252-259.	1.8	58
17	Carotenoid content and expression of phytoene synthase and phytoene desaturase genes in bitter melon (Momordica charantia). Food Chemistry, 2011, 126, 1686-1692.	4.2	56
18	Metabolite Profiling Approach Reveals the Interface of Primary and Secondary Metabolism in Colored Cauliflowers (Brassica oleracea L. ssp. botrytis). Journal of Agricultural and Food Chemistry, 2013, 61, 6999-7007.	2.4	55

#	Article	IF	Citations
19	Potential geo-discriminative tools to trace the origins of the dried slices of shiitake (Lentinula) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.2	53
20	Enhanced Accumulation of Phytosterol and Triterpene in Hairy Root Cultures of Platycodon grandiflorum by Overexpression of Panax ginseng 3-Hydroxy-3-methylglutaryl-coenzyme A Reductase. Journal of Agricultural and Food Chemistry, 2013, 61, 1928-1934.	2.4	52
21	Transcriptome Analysis in Chinese Cabbage (Brassica rapa ssp. pekinensis) Provides the Role of Glucosinolate Metabolism in Response to Drought Stress. Molecules, 2018, 23, 1186.	1.7	50
22	Linoleic acid rescues microglia inflammation triggered by saturated fatty acid. Biochemical and Biophysical Research Communications, 2019, 513, 201-206.	1.0	49
23	Stable Isotope Dilution-Based Accurate Comparative Quantification of Nitrogen-Containing Metabolites inArabidopsis thalianaT87 Cells Usingin Vivo15N-Isotope Enrichment. Bioscience, Biotechnology and Biochemistry, 2005, 69, 1331-1340.	0.6	48
24	Isoflavones profiling of soybean [Glycine max (L.) Merrill] germplasms and their correlations with metabolic pathways. Food Chemistry, 2014, 153, 258-264.	4.2	43
25	Discriminative study of a potato (Solanum tuberosum L.) cultivation region by measuring the stable isotope ratios of bio-elements. Food Chemistry, 2016, 212, 48-57.	4.2	43
26	Effects of cold stress on transcripts and metabolites in tartary buckwheat (Fagopyrum tataricum). Environmental and Experimental Botany, 2018, 155, 488-496.	2.0	43
27	Accumulation of Carotenoids and Metabolic Profiling in Different Cultivars of Tagetes Flowers. Molecules, 2017, 22, 313.	1.7	42
28	Transcriptome Analysis and Metabolic Profiling of Lycoris Radiata. Biology, 2019, 8, 63.	1.3	42
29	Metabolic Profiling in Chinese Cabbage (Brassica rapa L. subsp. pekinensis) Cultivars Reveals that Glucosinolate Content Is Correlated with Carotenoid Content. Journal of Agricultural and Food Chemistry, 2016, 64, 4426-4434.	2.4	41
30	Stepwise pathway engineering to the biosynthesis of zeaxanthin, astaxanthin and capsanthin in rice endosperm. Metabolic Engineering, 2019, 52, 178-189.	3.6	41
31	Molecular and Biochemical Analysis of Two Rice Flavonoid 3â€™-Hydroxylase to Evaluate Their Roles in Flavonoid Biosynthesis in Rice Grain. International Journal of Molecular Sciences, 2016, 17, 1549.	1.8	39
32	An update on biosynthesis and regulation of carotenoids in plants. South African Journal of Botany, 2021, 140, 290-302.	1.2	39
33	An efficient protocol for genetic transformation of watercress (Nasturtium officinale) using Agrobacterium rhizogenes. Molecular Biology Reports, 2011, 38, 4947-4953.	1.0	38
34	Determination of lipophilic compounds in genetically modified rice using gas chromatographyâ€“time-of-flight mass spectrometry. Journal of Food Composition and Analysis, 2012, 25, 31-38.	1.9	38
35	Metabolomic Analysis and Phenylpropanoid Biosynthesis in Hairy Root Culture of Tartary Buckwheat Cultivars. PLoS ONE, 2013, 8, e65349.	1.1	38
36	Metabolite Profiling Based on Lipophilic Compounds for Quality Assessment of Perilla (Perilla) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	2.4	36

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37	Triterpene and Flavonoid Biosynthesis and Metabolic Profiling of Hairy Roots, Adventitious Roots, and Seedling Roots of Astragalus membranaceus. Journal of Agricultural and Food Chemistry, 2015, 63, 8862-8869.	2.4	36
38	Quercetin and its role in biological functions: an updated review. EXCLI Journal, 2018, 17, 856-863.	0.5	36
39	Metabolic Profiling of Nine Mentha Species and Prediction of Their Antioxidant Properties Using Chemometrics. Molecules, 2019, 24, 258.	1.7	35
40	Unintended polar metabolite profiling of carotenoid-biofortified transgenic rice reveals substantial equivalence to its non-transgenic counterpart. Plant Biotechnology Reports, 2013, 7, 121-128.	0.9	34
41	RNAi-mediated suppression of dihydroflavonol 4-reductase in tobacco allows fine-tuning of flower color and flux through the flavonoid biosynthetic pathway. Plant Physiology and Biochemistry, 2016, 109, 482-490.	2.8	34
42	RNAi-mediated suppression of three carotenoid-cleavage dioxygenase genes, OsCCD1, 4a, and 4b, increases carotenoid content in rice. Journal of Experimental Botany, 2018, 69, 5105-5116.	2.4	34
43	Discrimination of organic milk by stable isotope ratio, vitamin E, and fatty acid profiling combined with multivariate analysis: A case study of monthly and seasonal variation in Korea for 2016â€“2017. Food Chemistry, 2018, 261, 112-123.	4.2	33
44	Comparative Analysis of Flavonoids and Polar Metabolite Profiling of Tanno-Original and Tanno-High Rutin Buckwheat. Journal of Agricultural and Food Chemistry, 2014, 62, 2701-2708.	2.4	32
45	Metabolic profiling of pale green and purple kohlrabi (Brassica oleracea var. gongylodes). Applied Biological Chemistry, 2017, 60, 249-257.	0.7	31
46	Analysis of Metabolites in White Flowers of Magnolia Denudata Desr. and Violet Flowers of Magnolia Liliiflora Desr.. Molecules, 2018, 23, 1558.	1.7	31
47	Comparative Metabolic Profiling of Green and Purple Pakchoi (Brassica Rapa Subsp. Chinensis). Molecules, 2018, 23, 1613.	1.7	30
48	Metabolite Profiling and Comparative Analysis of Secondary Metabolites in Chinese Cabbage, Radish, and Hybrid xBrassicoraphanus. Journal of Agricultural and Food Chemistry, 2020, 68, 13711-13719.	2.4	30
49	A Gas Chromatographyâ€Tandem Quadrupole Mass Spectrometric Analysis of Policosanols in Commercial Vegetable Oils. Journal of Food Science, 2011, 76, C891-9.	1.5	29
50	Molecular characterisation and the lightâ€“dark regulation of carotenoid biosynthesis in sprouts of tartary buckwheat (Fagopyrum tataricum Gaertn.). Food Chemistry, 2013, 141, 3803-3812.	4.2	29
51	Metabolic Differentiation of Diamondback Moth (Plutella xylostella (L.)) Resistance in Cabbage (Brassica oleracea L. ssp. capitata). Journal of Agricultural and Food Chemistry, 2013, 61, 11222-11230.	2.4	28
52	Identification and quantification of carotenoids in paprika fruits and cabbage, kale, and lettuce leaves. Journal of the Korean Society for Applied Biological Chemistry, 2014, 57, 355-358.	0.9	28
53	Comparative Transcriptome and Metabolic Profiling Analysis of Buckwheat (Fagopyrum Tataricum (L.)) Tj ETQq1 1 0.784314 rgBT /Ov	1.3	28
54	Molecular characterization of anthocyanin and betulinic acid biosynthesis in red and white mulberry fruits using high-throughput sequencing. Food Chemistry, 2019, 279, 364-372.	4.2	28

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55	Effect of Salinity Stress on Phenylpropanoid Genes Expression and Related Gene Expression in Wheat Sprout. Agronomy, 2020, 10, 390.	1.3	28
56	Comparative Analysis of Secondary Metabolites and Metabolic Profiling between Diploid and Tetraploid Morus alba L.. Journal of Agricultural and Food Chemistry, 2021, 69, 1300-1307.	2.4	28
57	Metabolomic Analysis and Differential Expression of Anthocyanin Biosynthetic Genes in White- and Red-Flowered Buckwheat Cultivars (Fagopyrum esculentum). Journal of Agricultural and Food Chemistry, 2013, 61, 10525-10533.	2.4	27
58	Comparative analysis of flavonoids and polar metabolites from hairy roots of Scutellaria baicalensis and Scutellaria lateriflora. World Journal of Microbiology and Biotechnology, 2014, 30, 887-892.	1.7	27
59	Metabolite Profiling of Peppers of Various Colors Reveals Relationships Between Tocopherol, Carotenoid, and Phytosterol Content. Journal of Food Science, 2017, 82, 2885-2893.	1.5	27
60	C/N/O/S stable isotopic and chemometric analyses for determining the geographical origin of Panax ginseng cultivated in Korea. Journal of Ginseng Research, 2018, 42, 485-495.	3.0	27
61	Metabolic profiling and antioxidant activity during flower development in Agastache rugosa. Physiology and Molecular Biology of Plants, 2021, 27, 445-455.	1.4	27
62	Influence of light-emitting diodes on phenylpropanoid biosynthetic gene expression and phenylpropanoid accumulation in Agastache rugosa. Applied Biological Chemistry, 2020, 63, .	0.7	27
63	Compositional comparative analysis between insect-resistant rice (Oryza sativa L.) with a synthetic cry1Ac gene and its non-transgenic counterpart. Plant Biotechnology Reports, 2012, 6, 29-37.	0.9	26
64	Comparative Phytochemical Analyses and Metabolic Profiling of Different Phenotypes of Chinese Cabbage (Brassica Rapa ssp. Pekinensis). Foods, 2019, 8, 587.	1.9	26
65	A high-throughput platform for interpretation of metabolite profile data from pepper (Capsicum) fruits of 13 phenotypes associated with different fruit maturity states. Food Chemistry, 2020, 331, 127286.	4.2	26
66	Fatty Acid- and Amino Acid-Specific Isotope Analysis for Accurate Authentication and Traceability in Organic Milk. Journal of Agricultural and Food Chemistry, 2019, 67, 711-722.	2.4	25
67	Current potential health benefits of sulforaphane. EXCLI Journal, 2016, 15, 571-577.	0.5	25
68	Metabolomics for the Quality Assessment ofLycium chinenseFruits. Bioscience, Biotechnology and Biochemistry, 2012, 76, 2188-2194.	0.6	24
69	Determination of lipophilic metabolites for species discrimination and quality assessment of nine leafy vegetables. Journal of the Korean Society for Applied Biological Chemistry, 2015, 58, 909-918.	0.9	24
70	Regional discrimination of Agaricus bisporus mushroom using the natural stable isotope ratios. Food Chemistry, 2018, 264, 92-100.	4.2	24
71	A case study for geographical indication of organic milk in Korea using stable isotope ratios-based chemometric analysis. Food Control, 2020, 107, 106755.	2.8	24
72	Isoflavones and anthocyanins analysis in soybean (Glycine max (L.) Merill) from three different planting locations in Korea. Field Crops Research, 2014, 156, 76-83.	2.3	23

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73	Effects of Light-Emitting Diodes on the Accumulation of Phenolic Compounds and Glucosinolates in Brassica juncea Sprouts. Horticulturae, 2020, 6, 77.	1.2	23
74	Light-specific transcriptional regulation of the accumulation of carotenoids and phenolic compounds in rice leaves. Plant Signaling and Behavior, 2016, 11, e1184808.	1.2	22
75	Molecular cloning and characterization of rosmarinic acid biosynthetic genes and rosmarinic acid accumulation in Ocimum basilicum L.. Saudi Journal of Biological Sciences, 2019, 26, 469-472.	1.8	22
76	Metabolic Profiling-Based Evaluation of the Fermentative Behavior of Aspergillus oryzae and Bacillus subtilis for Soybean Residues Treated at Different Temperatures. Foods, 2020, 9, 117.	1.9	22
77	Use of an anthocyanin production phenotype as a visible selection marker system in transgenic tobacco plant. Plant Biotechnology Reports, 2012, 6, 203-211.	0.9	21
78	Yeast extract improved biosynthesis of astragalosides in hairy root cultures of Astragalus membranaceus. Preparative Biochemistry and Biotechnology, 2021, 51, 467-474.	1.0	21
79	Metabolomic analysis reveals the interaction of primary and secondary metabolism in white, pale green, and green pak choi (Brassica rapa subsp. chinensis). Applied Biological Chemistry, 2021, 64, .	0.7	21
80	Profiles of Secondary Metabolites (Phenolic Acids, Carotenoids, Anthocyanins, and Galantamine) and Primary Metabolites (Carbohydrates, Amino Acids, and Organic Acids) during Flower Development in Lycoris radiata. Biomolecules, 2021, 11, 248.	1.8	21
81	Effects of Queso Blanco Cheese Containing Bifidobacterium longum KACC 91563 on the Intestinal Microbiota and Short Chain Fatty Acid in Healthy Companion Dogs. Korean Journal for Food Science of Animal Resources, 2018, 38, 1261-1272.	1.5	21
82	Metabolomic Profiling of the White, Violet, and Red Flowers of Rhododendron schlippenbachii Maxim.. Molecules, 2018, 23, 827.	1.7	20
83	An unattended HS-SPME-GCâ€“MS/MS combined with a novel sample preparation strategy for the reliable quantitation of C8 volatiles in mushrooms: A sample preparation strategy to fully control the volatile emission. Food Chemistry, 2021, 347, 128998.	4.2	20
84	Compound-specific Î´13C and Î´15N analyses of fatty acids and amino acids for discrimination of organic, pesticide-free, and conventional rice (Oryza sativa L.). Food Chemistry, 2019, 283, 305-314.	4.2	19
85	A recent overview on the biological and pharmacological activities of ferulic acid. EXCLI Journal, 2019, 18, 132-138.	0.5	19
86	Carotenoid Accumulation and Characterization of cDNAs Encoding Phytoene Synthase and Phytoene Desaturase in Garlic (Allium sativum). Journal of Agricultural and Food Chemistry, 2011, 59, 5412-5417.	2.4	18
87	Ginseng: a miracle sources of herbal and pharmacological uses. Oriental Pharmacy and Experimental Medicine, 2016, 16, 243-250.	1.2	18
88	Accumulation of Charantin and Expression of Triterpenoid Biosynthesis Genes in Bitter Melon (Momordica charantia). Journal of Agricultural and Food Chemistry, 2017, 65, 7240-7249.	2.4	18
89	Transcriptome Analysis and Metabolic Profiling of Green and Red Mizuna (Brassica rapa L. var.) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.9	18
90	Discrimination of Adzuki Bean (Vigna angularis) Geographical Origin by Targeted and Non-Targeted Metabolite Profiling with Gas Chromatography Time-of-Flight Mass Spectrometry. Metabolites, 2020, 10, 112.	1.3	18

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91	Production of rosmarinic acid and correlated gene expression in hairy root cultures of green and purple basil (Ocimum basilicum L.). Preparative Biochemistry and Biotechnology, 2021, 51, 35-43.	1.0	18
92	Metabolite Profiling Reveals Distinct Modulation of Complex Metabolic Networks in Non-Pigmented, Black, and Red Rice (Oryza sativa L.) Cultivars. Metabolites, 2021, 11, 367.	1.3	18
93	Molecular Characterization of Carotenoid Cleavage Dioxygenases and the Effect of Gibberellin, Abscisic Acid, and Sodium Chloride on the Expression of Genes Involved in the Carotenoid Biosynthetic Pathway and Carotenoid Accumulation in the Callus of Scutellaria baicalensis Georgi. Journal of Agricultural and Food Chemistry, 2013, 61, 5565-5572.	2.4	17
94	Riboflavin Accumulation and Molecular Characterization of cDNAs Encoding Bifunctional GTP Cyclohydrolase II/3,4-Dihydroxy-2-Butanone 4-Phosphate Synthase, Lumazine Synthase, and Riboflavin Synthase in Different Organs of Lycium chinense Plant. Molecules, 2014, 19, 17141-17153.	1.7	17
95	Expression of potato RNA-binding proteins StUBA2a/b and StUBA2c induces hypersensitive-like cell death and early leaf senescence in Arabidopsis. Journal of Experimental Botany, 2015, 66, 4023-4033.	2.4	17
96	Metabolomics of differently colored Gladiolus cultivars. Applied Biological Chemistry, 2016, 59, 597-607.	0.7	17
97	Transcriptome and metabolome analysis in shoot and root of Valeriana fauriei. BMC Genomics, 2016, 17, 303.	1.2	17
98	Effects of milk type, production month, and brand on fatty acid composition: A case study in Korea. Food Chemistry, 2016, 196, 138-147.	4.2	17
99	Carotenoid Biosynthesis in Oriental Melon (Cucumis melo L. var. makuwa). Foods, 2019, 8, 77.	1.9	17
100	Enhancement of Glucosinolate Production in Watercress (Nasturtium officinale) Hairy Roots by Overexpressing Cabbage Transcription Factors. Journal of Agricultural and Food Chemistry, 2019, 67, 4860-4867.	2.4	17
101	Characterization of Volatile Profiles of Six Popular Edible Mushrooms Using Headspaceâ€Solidâ€Phase Microextraction Coupled with Gas Chromatography Combined with Chemometric Analysis. Journal of Food Science, 2019, 84, 421-429.	1.5	17
102	Analysis of carotenoid accumulation and expression of carotenoid biosynthesis genes in different organs of Chinese cabbage (Brassica rapa subsp. pekinensis). EXCLI Journal, 2012, 11, 508-16.	0.5	17
103	Determination of phenolic acids in Korean rice (Oryza sativa L.) cultivars using gas chromatography-time-of-flight mass spectrometry. Food Science and Biotechnology, 2012, 21, 1141-1148.	1.2	16
104	Targeted metabolite profiling to evaluate unintended metabolic changes of genetic modification in resveratrol-enriched rice (Oryza sativa L.). Applied Biological Chemistry, 2017, 60, 205-214.	0.7	16
105	High accumulation of Î³-linolenic acid and Stearidonic acid in transgenic Perilla (Perilla frutescens) Tj ETQq1 1 0.784314 rgBT /Overloc	1.6	16
106	Metabolite Profiling and Chemometric Study for the Discrimination Analyses of Geographic Origin of Perilla (Perilla frutescens) and Sesame (Sesamum indicum) Seeds. Foods, 2020, 9, 989.	1.9	16
107	Quantitation of formate by solid-phase microextraction and gas chromatographyâ€“mass spectrometry utilizing a [13C]formate internal standard. Journal of Chromatography A, 2003, 986, 313-317.	1.8	15
108	In planta cleavage of carotenoids by Arabidopsis carotenoid cleavage dioxygenase 4 in transgenic rice plants. Plant Biotechnology Reports, 2016, 10, 291-300.	0.9	15

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109	Integrated Proteomics and Metabolomics Analysis Highlights Correlative Metabolite-Protein Networks in Soybean Seeds Subjected to Warm-Water Soaking. Journal of Agricultural and Food Chemistry, 2020, 68, 8057-8067.	2.4	15
110	Comparative metabolic profiling of cultivated and wild black soybeans reveals distinct metabolic alterations associated with their domestication. Food Research International, 2020, 134, 109290.	2.9	15
111	Petal-specific activity of the promoter of an anthocyanidin synthase gene of tobacco (Nicotiana) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	14
112	Effect of codon optimization on the enhancement of the Î²-carotene contents in rice endosperm. Plant Biotechnology Reports, 2017, 11, 171-179.	0.9	14
113	Simultaneous roasting and extraction of green coffee beans by pressurized liquid extraction. Food Chemistry, 2019, 281, 261-268.	4.2	14
114	Comparison of the grain composition in resveratrol-enriched and glufosinate-tolerant rice (Oryza) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 and Analysis, 2016, 52, 58-67.	1.9	13
115	Metabolic Analysis of Four Cultivars of Liriope platyphylla. Metabolites, 2019, 9, 59.	1.3	13
116	Metabolic Fingerprinting Study on the Substantial Equivalence of Genetically Modified (GM) Chinese Cabbage to Non-GM Cabbage. Journal of the Korean Society for Applied Biological Chemistry, 2009, 52, 186-192.	0.9	12
117	Expression levels of carotenoid biosynthetic genes and carotenoid production in the callus of scutellaria baicalensis exposed to white, blue, and red light-emitting diodes. Applied Biological Chemistry, 2017, 60, 591-596.	0.7	12
118	Trial data of the anti-obesity potential of a high resistant starch diet for canines using Dodamssal rice and the identification of discriminating markers in feces for metabolic profiling. Metabolomics, 2019, 15, 21.	1.4	12
119	Metabolic Changes in Serum Metabolome of Beagle Dogs Fed Black Ginseng. Metabolites, 2020, 10, 517.	1.3	12
120	Integrated Analysis of Transcriptome and Metabolome and Evaluation of Antioxidant Activities in Lavandula pubescens. Antioxidants, 2021, 10, 1027.	2.2	12
121	An update on the biological and pharmacological activities of diosgenin. EXCLI Journal, 2018, 17, 24-28.	0.5	12
122	Fatty Acids and Stable Isotope Ratios in Shiitake Mushrooms (Lentinula edodes) Indicate the Origin of the Cultivation Substrate Used: A Preliminary Case Study in Korea. Foods, 2020, 9, 1210.	1.9	12
123	An OsKala3, R2R3 MYB TF, Is a Common Key Player for Black Rice Pericarp as Main Partner of an OsKala4, bHLH TF. Frontiers in Plant Science, 2021, 12, 765049.	1.7	12
124	Expression of tobacco tocopherol cyclase in rice regulates antioxidative defense and drought tolerance. Plant Cell, Tissue and Organ Culture, 2014, 119, 257-267.	1.2	11
125	Phytochemical profiles of Brassicaceae vegetables and their multivariate characterization using chemometrics. Applied Biological Chemistry, 2018, 61, 131-144.	0.7	11
126	Pharmacological aspects of galantamine for the treatment of Alzheimer's disease. EXCLI Journal, 2017, 16, 35-39.	0.5	11

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127	Molecular Characterization of Carotenoid Biosynthetic Genes and Carotenoid Accumulation in Lycium chinense. Molecules, 2014, 19, 11250-11262.	1.7	10
128	Molecular cloning and characterization of mevalonic acid (MVA) pathway genes and triterpene accumulation in Panax ginseng. Journal of the Korean Society for Applied Biological Chemistry, 2014, 57, 289-295.	0.9	10
129	Determination and quantification of arbutin in plants using stable isotope dilution liquid chromatographyâ€“mass spectrometry. Applied Biological Chemistry, 2018, 61, 523-530.	0.7	10
130	Transcriptomic Analysis, Cloning, Characterization, and Expression Analysis of Triterpene Biosynthetic Genes and Triterpene Accumulation in the Hairy Roots of Platycodon grandiflorum Exposed to Methyl Jasmonate. ACS Omega, 2021, 6, 12820-12830.	1.6	10
131	Molecular characterization of carotenoid biosynthetic genes and carotenoid accumulation in Scutellaria baicalensis Georgi. EXCLI Journal, 2015, 14, 146-57.	0.5	10
132	Monthly metabolic changes and PLS prediction of carotenoid content of citrus fruit by combined Fourier transform infrared spectroscopy and quantitative HPLC analysis. Plant Biotechnology Reports, 2015, 9, 247-258.	0.9	9
133	Evaluation of Anticholinesterase and Inflammation Inhibitory Activity of Medicinal Mushroom Phellinus pini (Basidiomycetes) Fruiting Bodies. International Journal of Medicinal Mushrooms, 2016, 18, 1011-1022.	0.9	9
134	Metabolic Profiling and Chemical-Based Antioxidant Assays of Green and Red Lettuce (Lactuca sativa). Natural Product Communications, 2018, 13, 1934578X1801300.	0.2	9
135	Alteration of Carotenoid Metabolic Machinery by Î²-Carotene Biofortification in Rice Grains. Journal of Plant Biology, 2019, 62, 451-462.	0.9	9
136	Adiponectin Controls Nutrient Availability in Hypothalamic Astrocytes. International Journal of Molecular Sciences, 2021, 22, 1587.	1.8	9
137	An update on the potential health benefits of carotenes. EXCLI Journal, 2016, 15, 1-4.	0.5	9
138	Metabolic Analysis of Vigna unguiculata Sprouts Exposed to Different Light-Emitting Diodes. Natural Product Communications, 2018, 13, 1934578X1801301.	0.2	8
139	Comparative analysis of glucosinolates and metabolite profiling of green and red mustard (brassica) Tj ETQq1 1 0.784314 rgBT /Overlo	1.1	8
140	Dynamics of Short-Term Metabolic Profiling in Radish Sprouts (Raphanus sativus L.) in Response to Nitrogen Deficiency. Plants, 2019, 8, 361.	1.6	8
141	Metabolic Analysis of Root, Stem, and Leaf of Scutellaria baicalensis Plantlets Treated with Different LED Lights. Plants, 2021, 10, 940.	1.6	8
142	Genotoxicity Study of Polysaccharide Fraction from Astragalus membranaceus's Aerial Parts. Toxicological Research, 2014, 30, 131-138.	1.1	8
143	Analysis of metabolite profile data using batch-learning self-organizing maps. Journal of Plant Biology, 2007, 50, 517-521.	0.9	7
144	Comparative analysis of nutritional composition between the disease-resistant rice variety OsCK1 and conventional comparators. Food Science and Biotechnology, 2015, 24, 225-231.	1.2	7

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145	Effects of soil type and organic fertilizers on fatty acids and vitamin E in Korean ginseng (Panax) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.9	7
146	Molecular Cloning and Characterization of Carotenoid Pathway Genes and Carotenoid Content in Ixeris dentata var. albiflora. Molecules, 2017, 22, 1449.	1.7	7
147	Quantification of Arbutin in Plant Extracts by Stable Isotope Dilution Gas Chromatographyâ€“Mass Spectrometry. Chromatographia, 2018, 81, 533-538.	0.7	7
148	Current results on the biological and pharmacological activities of Indole-3-carbinol. EXCLI Journal, 2018, 17, 181-185.	0.5	7
149	Metabolomic Variability of Different Soybean Genotypes: Î²-Carotene-Enhanced (Glycine max), Wild (Glycine soja), and Hybrid (Glycine max Ã— Glycine soja) Soybeans. Foods, 2021, 10, 2421.	1.9	7
150	Recent studies on kaempferol and its biological and pharmacological activities. EXCLI Journal, 2020, 19, 627-634.	0.5	7
151	Metabolic Profiling of White and Green Radish Cultivars (Raphanus sativus). Horticulturae, 2022, 8, 310.	1.2	7
152	Characterization of Fatty Acid Composition Underlying Hypothalamic Inflammation in Aged Mice. Molecules, 2020, 25, 3170.	1.7	6
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