Jae Kwang Kim

List of Publications by Year
in descending order

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191 papers	4,589 citations	109137 35 h-index	174990 52 g-index
193 all docs	193 docs citations	193 times ranked	5224 citing authors

#	Article	IF	Citations
1	Effects of genotype and environment on the nutrient and metabolic profiles of soybeans genetically modified with epidermal growth factor or thioredoxin compared with conventional soybeans. Industrial Crops and Products, 2022, 175, 114229.	2.5	4
2	Overexpression of OsMYBR22/OsRVE1 transcription factor simultaneously enhances chloroplast-dependent metabolites in rice grains. Metabolic Engineering, 2022, 70, 89-101.	3.6	3
3	Metabolic profiling in the hypothalamus of aged mice. Biochemical and Biophysical Research Communications, 2022, 599, 134-141.	1.0	3
4	Metabolic Profiling of White and Green Radish Cultivars (Raphanus sativus). Horticulturae, 2022, 8, 310.	1.2	7
5	Identification, Characterization, and Expression Analysis of Carotenoid Biosynthesis Genes and Carotenoid Accumulation in Watercress (Nasturtium officinale R. Br.). ACS Omega, 2022, 7, 430-442.	1.6	4
6	Recent insights into the biological and pharmacological activity of lycopene.. EXCLI Journal, 2022, 21, 415-425.	0.5	3
7	Differential Regulation of an OsIspH1, the Functional 4-Hydroxy-3-Methylbut-2-Enyl Diphosphate Reductase, for Photosynthetic Pigment Biosynthesis in Rice Leaves and Seeds. Frontiers in Plant Science, 2022, 13, 861036.	1.7	3
8	Metabolic Profiling of the Hypothalamus of Mice during Short-Term Food Deprivation. Metabolites, 2022, 12, 407.	1.3	3
9	Identification, In Silico Characterization, and Differential Expression Profiles of Carotenoid, Xanthophyll, Apocarotenoid Biosynthetic Pathways Genes, and Analysis of Carotenoid and Xanthophyll Accumulation in Heracleum moellendorffii Hance. International Journal of Molecular Sciences, 2022, 23, 4845.	1.8	3
10	Gene Expression and Metabolic Analyses of Nontransgenic and AtPAP1 Transgenic Tobacco Infected with Potato Virus X (PVX). Journal of Agricultural and Food Chemistry, 2022, 70, 5838-5848.	2.4	4
11	Metabolic profiling and antioxidant properties of hybrid soybeans with different seed coat colors, obtained by crossing î²-carotene-enhanced (Glycine max) and wild (Glycine soja) soybeans. Plant Biotechnology Reports, 2022, 16, 449-463.	0.9	5
12	An update on biosynthesis and regulation of carotenoids in plants. South African Journal of Botany, 2021, 140, 290-302.	1.2	39
13	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
14	Yeast extract improved biosynthesis of astragalosides in hairy root cultures of Astragalus membranaceus. Preparative Biochemistry and Biotechnology, 2021, 51, 467-474.	1.0	21
15	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
16	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
17	Adiponectin Controls Nutrient Availability in Hypothalamic Astrocytes. International Journal of Molecular Sciences, 2021, 22, 1587.	1.8	9
18	Metabolic profiling and antioxidant activity during flower development in Agastache rugosa. Physiology and Molecular Biology of Plants, 2021, 27, 445-455.	1.4	27

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19	Reciprocal Crosses Between Astaxanthin and Capsanthin Rice Unravel Effects of Metabolic Gene Efficacy in Rice Endosperm. Journal of Plant Biology, 2021, 64, 371-377.	0.9	2
20	Impact of Betaine Under Salinity on Accumulation of Phenolic Compounds in Safflower (Carthamus tinctorius L.) Sprouts. Natural Product Communications, 2021, 16, 1934578X2110150.	0.2	0
21	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
22	Metabolic Analysis of Root, Stem, and Leaf of Scutellaria baicalensis Plantlets Treated with Different LED Lights. Plants, 2021, 10, 940.	1.6	8
23	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
24	Natural hybridization between transgenic and wild soybean genotypes. Plant Biotechnology Reports, 2021, 15, 299-308.	0.9	4
25	Metabolic profiling reveals an increase in stress-related metabolites in Arabidopsis thaliana exposed to honeybees. Journal of Applied Biological Chemistry, 2021, 64, 141-151.	0.2	2
26	Integrated Analysis of Transcriptome and Metabolome and Evaluation of Antioxidant Activities in Lavandula pubescens. Antioxidants, 2021, 10, 1027.	2.2	12
27	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
28	2A-linked bi-, tri-, and quad-cistrons for the stepwise biosynthesis of Î²-carotene, zeaxanthin, and ketocarotenoids in rice endosperm. Metabolic Engineering Communications, 2021, 12, e00166.	1.9	5
29	Enhanced lipid utilization is coupled to the sickness responses triggered by lipopolysaccharide. Biochemical and Biophysical Research Communications, 2021, 558, 44-50.	1.0	5
30	Molecular Characterization, Expression Analysis of Carotenoid, Xanthophyll, Apocarotenoid Pathway Genes, and Carotenoid and Xanthophyll Accumulation in Chelidonium majus L.. Plants, 2021, 10, 1753.	1.6	3
31	Improved annotation and quantification of metabolites in rice (Oryza sativa L.) seeds using two-dimensional gas chromatographyâ€“time-of-flight mass spectrometry. Applied Biological Chemistry, 2021, 64, .	0.7	0
32	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
33	Comparison of Secondary Metabolite Contents and Metabolic Profiles of Six Lycoris Species. Horticulturae, 2021, 7, 5.	1.2	5
34	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
35	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
36	Flavonoids for treatment of Alzheimer's disease: An up to date review. EXCLI Journal, 2021, 20, 495-502.	0.5	1

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37	Decontamination of DNA in Taq DNA polymerase reagents using nylon membranes for monitoring of GMOs. Plant Biotechnology Reports, 2021, 15, 783-790.	0.9	0
38	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
39	Effects of Light-Emitting Diodes on the Accumulation of Phenolic Compounds and Glucosinolates in Brassica juncea Sprouts. Horticulturae, 2020, 6, 77.	1.2	23
40	Metabolic Profiling of Primary Metabolites and Galantamine Biosynthesis in Wounded Lycoris radiata Callus. Plants, 2020, 9, 1616.	1.6	4
41	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
42	Integrated Analysis of Transcriptome and Metabolome in Cirsium japonicum Fisch ex DC. ACS Omega, 2020, 5, 29312-29324.	1.6	5
43	Characterization of Fatty Acid Composition Underlying Hypothalamic Inflammation in Aged Mice. Molecules, 2020, 25, 3170.	1.7	6
44	Investigations on Metabolic Changes in Beagle Dogs Fed Probiotic Queso Blanco Cheese and Identification of Candidate Probiotic Fecal Biomarkers Using Metabolomics Approaches. Metabolites, 2020, 10, 305.	1.3	2
45	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
46	Transcriptome Analysis and Metabolic Profiling of Green and Red Mizuna (Brassica rapa L. var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	1.9	18
47	Serum Metabolic Profiling Reveals Potential Anti-Inflammatory Effects of the Intake of Black Ginseng Extracts in Beagle Dogs. Molecules, 2020, 25, 3759.	1.7	3
48	Metabolic Analysis of Carotenoids and Phenolic Compounds Found in Green and Purple Kenaf. Natural Product Communications, 2020, 15, 1934578X2097113.	0.2	0
49	Metabolic Changes in Serum Metabolome of Beagle Dogs Fed Black Ginseng. Metabolites, 2020, 10, 517.	1.3	12
50	Elevated Ozone Levels Affect Metabolites and Related Biosynthetic Genes in Tartary Buckwheat. Journal of Agricultural and Food Chemistry, 2020, 68, 14758-14767.	2.4	6
51	Identification and analysis of phenylpropanoid biosynthetic genes and phenylpropanoid accumulation in watercress (Nasturtium officinale R. Br.). 3 Biotech, 2020, 10, 260.	1.1	4
52	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
53	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
54	Effect of Salinity Stress on Phenylpropanoid Genes Expression and Related Gene Expression in Wheat Sprout. Agronomy, 2020, 10, 390.	1.3	28

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55	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
56	Effects of Queso Blanco cheese containing Bifidobacterium longum KACC 91563 on fecal microbiota, metabolite and serum cytokine in healthy beagle dogs. Anaerobe, 2020, 64, 102234.	1.0	5
57	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
58	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
59	Influence of light-emitting diodes on phenylpropanoid biosynthetic gene expression and phenylpropanoid accumulation in Agastache rugosa. Applied Biological Chemistry, 2020, 63, .	0.7	27
60	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
61	Genetic Diversity and Dye-Decolorizing Spectrum ofSchizophyllum communePopulation. Journal of Microbiology and Biotechnology, 2020, 30, 1525-1535.	0.9	5
62	Recent studies on kaempferol and its biological and pharmacological activities. EXCLI Journal, 2020, 19, 627-634.	0.5	7
63	Recent insights into the biological functions of apigenin. EXCLI Journal, 2020, 19, 984-991.	0.5	2
64	Comparative Transcriptome and Metabolic Profiling Analysis of Buckwheat (Fagopyrum Tataricum (L.)) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.3	28
65	Dynamics of Short-Term Metabolic Profiling in Radish Sprouts (Raphanus sativus L.) in Response to Nitrogen Deficiency. Plants, 2019, 8, 361.	1.6	8
66	Transcriptome Analysis and Metabolic Profiling of Lycoris Radiata. Biology, 2019, 8, 63.	1.3	42
67	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
68	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
69	Metabolic Analysis of Four Cultivars of Liriope platyphylla. Metabolites, 2019, 9, 59.	1.3	13
70	Potential geo-discriminative tools to trace the origins of the dried slices of shiitake (Lentinula) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	4.2	53
71	Metabolic profiling reveals glucose and fructose accumulation in gcr1 knock-out mutant of Arabidopsis. Applied Biological Chemistry, 2019, 62, .	0.7	5
72	High accumulation of Î³-linolenic acid and Stearidonic acid in transgenic Perilla (Perilla frutescens) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	16

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73	Carotenoid Biosynthesis in Oriental Melon (Cucumis melo L. var. makuwa). Foods, 2019, 8, 77.	1.9	17
74	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
75	Linoleic acid rescues microglia inflammation triggered by saturated fatty acid. Biochemical and Biophysical Research Communications, 2019, 513, 201-206.	1.0	49
76	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
77	Comparative Phytochemical Analyses and Metabolic Profiling of Different Phenotypes of Chinese Cabbage (Brassica Rapa ssp. Pekinensis). Foods, 2019, 8, 587.	1.9	26
78	Alteration of Carotenoid Metabolic Machinery by Î²-Carotene Biofortification in Rice Grains. Journal of Plant Biology, 2019, 62, 451-462.	0.9	9
79	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
80	Simultaneous roasting and extraction of green coffee beans by pressurized liquid extraction. Food Chemistry, 2019, 281, 261-268.	4.2	14
81	Metabolic Profiling of Nine Mentha Species and Prediction of Their Antioxidant Properties Using Chemometrics. Molecules, 2019, 24, 258.	1.7	35
82	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
83	Stepwise pathway engineering to the biosynthesis of zeaxanthin, astaxanthin and capsanthin in rice endosperm. Metabolic Engineering, 2019, 52, 178-189.	3.6	41
84	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
85	A recent overview on the biological and pharmacological activities of ferulic acid. EXCLI Journal, 2019, 18, 132-138.	0.5	19
86	Chlorogenic acid and its role in biological functions: an up to date. EXCLI Journal, 2019, 18, 310-316.	0.5	3
87	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
88	Quantification of Arbutin in Plant Extracts by Stable Isotope Dilution Gas Chromatographyâ€“Mass Spectrometry. Chromatographia, 2018, 81, 533-538.	0.7	7
89	Phytochemical profiles of Brassicaceae vegetables and their multivariate characterization using chemometrics. Applied Biological Chemistry, 2018, 61, 131-144.	0.7	11
90	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

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91	Transcriptome analysis and metabolic profiling of green and red kale (Brassica oleracea var. acephala) seedlings. Food Chemistry, 2018, 241, 7-13.	4.2	75
92	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
93	Metabolic Analysis of Vigna unguiculata Sprouts Exposed to Different Light-Emitting Diodes. Natural Product Communications, 2018, 13, 1934578X1801301.	0.2	8
94	Expression of Carotenoid Biosynthetic Genes and Carotenoid Biosynthesis during Seedling Development of Momordica charantia. Natural Product Communications, 2018, 13, 1934578X1801300.	0.2	2
95	Metabolic Profiling and Chemical-Based Antioxidant Assays of Green and Red Lettuce (Lactuca sativa). Natural Product Communications, 2018, 13, 1934578X1801300.	0.2	9
96	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
97	Improved quantification of Î³-aminobutyric acid in rice using stable isotope dilution gas chromatographyâ€“mass spectrometry. Food Chemistry, 2018, 266, 375-380.	4.2	4
98	Comparative Metabolic Profiling of Green and Purple Pakchoi (Brassica Rapa Subsp. Chinensis). Molecules, 2018, 23, 1613.	1.7	30
99	Metabolomic Profiling of the White, Violet, and Red Flowers of Rhododendron schlippenbachii Maxim.. Molecules, 2018, 23, 827.	1.7	20
100	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
101	Analysis of Metabolites in White Flowers of Magnolia Denudata Desr. and Violet Flowers of Magnolia Liliiflora Desr.. Molecules, 2018, 23, 1558.	1.7	31
102	Bluetongue Virus Antibodies in Domestic Goats: A Countrywide and Retrospective Study in the Republic of Korea. Vector-Borne and Zoonotic Diseases, 2018, 18, 323-330.	0.6	4
103	Regional discrimination of Agaricus bisporus mushroom using the natural stable isotope ratios. Food Chemistry, 2018, 264, 92-100.	4.2	24
104	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
105	Effects of cold stress on transcripts and metabolites in tartary buckwheat (Fagopyrum tataricum). Environmental and Experimental Botany, 2018, 155, 488-496.	2.0	43
106	Comparative analysis of glucosinolates and metabolite profiling of green and red mustard (brassica) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	8
107	Current results on the biological and pharmacological activities of Indole-3-carbinol. EXCLI Journal, 2018, 17, 181-185.	0.5	7
108	An update on the biological and pharmacological activities of diosgenin. EXCLI Journal, 2018, 17, 24-28.	0.5	12

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109	Quercetin and its role in biological functions: an updated review. EXCLI Journal, 2018, 17, 856-863.	0.5	36
110	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
111	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
112	Metabolic profiling of pale green and purple kohlrabi (Brassica oleracea var. gongylodes). Applied Biological Chemistry, 2017, 60, 249-257.	0.7	31
113	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
114	Effects of soil type and organic fertilizers on fatty acids and vitamin E in Korean ginseng (Panax) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	2.9	7
115	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
116	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
117	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
118	Accumulation of Carotenoids and Metabolic Profiling in Different Cultivars of Tagetes Flowers. Molecules, 2017, 22, 313.	1.7	42
119	Molecular Cloning and Characterization of Carotenoid Pathway Genes and Carotenoid Content in Ixeris dentata var. albiflora. Molecules, 2017, 22, 1449.	1.7	7
120	Pharmacological aspects of galantamine for the treatment of Alzheimer's disease. EXCLI Journal, 2017, 16, 35-39.	0.5	11
121	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
122	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
123	Metabolic Profiling and Antioxidant Assay of Metabolites from Three Radish Cultivars (Raphanus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	63
124	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
125	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
126	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

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127	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
128	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
129	Ginseng: a miracle sources of herbal and pharmacological uses. Oriental Pharmacy and Experimental Medicine, 2016, 16, 243-250.	1.2	18
130	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
131	Metabolomics of differently colored Gladiolus cultivars. Applied Biological Chemistry, 2016, 59, 597-607.	0.7	17
132	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
133	Transcriptome and metabolome analysis in shoot and root of Valeriana fauriei. BMC Genomics, 2016, 17, 303.	1.2	17
134	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
135	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
136	Amino Acid Content in Different Cultivars of Liriope platyphylla. Asian Journal of Chemistry, 2016, 28, 1754-1756.	0.1	1
137	An update on the potential health benefits of carotenes. EXCLI Journal, 2016, 15, 1-4.	0.5	9
138	Current potential health benefits of sulforaphane. EXCLI Journal, 2016, 15, 571-577.	0.5	25
139	Current results on the potential health benefits of lutein. EXCLI Journal, 2016, 15, 308-14.	0.5	3
140	Anthocyanin and Carotenoid Contents in Different Cultivars of Chrysanthemum (Dendranthema) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	1.7	72
141	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
142	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
143	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
144	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

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145	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
146	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
147	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
148	Molecular characterization of carotenoid biosynthetic genes and carotenoid accumulation in Scutellaria baicalensis Georgi. EXCLI Journal, 2015, 14, 146-57.	0.5	10
149	Molecular Characterization of Carotenoid Biosynthetic Genes and Carotenoid Accumulation in Lycium chinense. Molecules, 2014, 19, 11250-11262.	1.7	10
150	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
151	Isoflavones profiling of soybean [Glycine max (L.) Merrill] germplasms and their correlations with metabolic pathways. Food Chemistry, 2014, 153, 258-264.	4.2	43
152	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
153	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
154	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
155	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
156	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
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