

Hyung-Kyoon Choi

List of Publications by Year in descending order

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141
papers

4,027
citations

109321

35
h-index

155660

55
g-index

141
all docs

141
docs citations

141
times ranked

5574
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidant and antiproliferative activities of mango (<i>Mangifera indica</i> L.) flesh and peel. <i>Food Chemistry</i> , 2010, 121, 429-436.	8.2	223
2	Metabolic fingerprinting of wild type and transgenic tobacco plants by ¹ H NMR and multivariate analysis technique. <i>Phytochemistry</i> , 2004, 65, 857-864.	2.9	183
3	Growth and Metabolic Responses of Rice (<i>Oryza sativa</i> L.) Cultivated in Phosphorus-Deficient Soil Amended with TiO ₂ Nanoparticles. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 5598-5606.	5.2	102
4	Comparative metabolic and lipidomic profiling of human breast cancer cells with different metastatic potentials. <i>Oncotarget</i> , 2016, 7, 67111-67128.	1.8	95
5	Characterization of Aroma-Active Compounds in Raw and Cooked Pine-Mushrooms (<i>Tricholoma</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 11	3.2	93
6	Metabolomic Approach for Age Discrimination of <i>Panax ginseng</i> Using UPLC-Q-ToF MS. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 10435-10441.	5.2	93
7	Comparative Antioxidant and Antiproliferative Activities of Red and White Pitayas and Their Correlation with Flavonoid and Polyphenol Content. <i>Journal of Food Science</i> , 2011, 76, C38-45.	3.1	91
8	NMR-based metabolic profiling and differentiation of ginseng roots according to cultivation ages. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 58, 19-26.	2.8	89
9	Difference in the Volatile Composition of Pine-Mushrooms (<i>Tricholoma matsutake</i> Sing.) According to Their Grades. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 4820-4825.	5.2	83
10	Effect of mass transfer on the removal of caffeine from green tea by supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2007, 42, 205-211.	3.2	75
11	Metabolite profiling of doenjang, fermented soybean paste, during fermentation. <i>Journal of the Science of Food and Agriculture</i> , 2010, 90, n/a-n/a.	3.5	75
12	¹ H-nuclear magnetic resonance spectroscopy-based metabolic assessment in a rat model of obesity induced by a high-fat diet. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1117-1124.	3.7	71
13	Metabolite profiling of Cheonggukjang, a fermented soybean paste, during fermentation by gas chromatography-mass spectrometry and principal component analysis. <i>Food Chemistry</i> , 2010, 122, 1313-1319.	8.2	70
14	Discovery of potential biomarkers in human melanoma cells with different metastatic potential by metabolic and lipidomic profiling. <i>Scientific Reports</i> , 2017, 7, 8864.	3.3	70
15	Biochemical monitoring of black raspberry (<i>Rubus coreanus</i> Miquel) fruits according to maturation stage by ¹ H NMR using multiple solvent systems. <i>Food Research International</i> , 2011, 44, 1977-1987.	6.2	69
16	Metabolite Profiling of Cheonggukjang, a Fermented Soybean Paste, Inoculated with Various <i>Bacillus</i> Strains during Fermentation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 1860-1868.	1.3	65
17	Chemical analysis of <i>Panax quinquefolius</i> (North American ginseng): A review. <i>Journal of Chromatography A</i> , 2015, 1426, 1-15.	3.7	62
18	<i>Henriciella litoralis</i> sp. nov., isolated from a tidal flat, transfer of <i>Maribaculum marinum</i> Lai et al. 2009 to the genus <i>Henriciella</i> as <i>Henriciella aquimarina</i> nom. nov. and emended description of the genus <i>Henriciella</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 722-727.	1.7	60

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19	Quantitative Analysis of Bilobalide and Ginkgolides from Ginkgo biloba Leaves and Ginkgo Products Using 1H-NMR. Chemical and Pharmaceutical Bulletin, 2003, 51, 158-161.	1.3	57
20	NSC-87877, inhibitor of SHP-1/2 PTPs, inhibits dual-specificity phosphatase 26 (DUSP26). Biochemical and Biophysical Research Communications, 2009, 381, 491-495.	2.1	57
21	State of Panax ginseng Research: A Global Analysis. Molecules, 2017, 22, 1518.	3.8	55
22	Correlation between Antioxidative Activities and Metabolite Changes during Cheonggukjang Fermentation. Bioscience, Biotechnology and Biochemistry, 2011, 75, 732-739.	1.3	54
23	Effects of Light Intensity and Nitrogen Starvation on Glycerolipid, Glycerophospholipid, and Carotenoid Composition in Dunaliella tertiolecta Culture. PLoS ONE, 2013, 8, e72415.	2.5	53
24	Divergent rRNAs as regulators of gene expression at the ribosome level. Nature Microbiology, 2019, 4, 515-526.	13.3	52
25	Comparison of umami-taste active components in the pileus and stipe of pine-mushrooms (Tricholoma) Tj ETQq1 1.0,784314,rgBT /Ome	8.2	51
26	Elucidation of the growth delimitation of Dunaliella tertiolecta under nitrogen stress by integrating transcriptome and peptidome analysis. Bioresource Technology, 2015, 194, 57-66.	9.6	51
27	Effect of osmotic pressure on paclitaxel production in suspension cell cultures of Taxus chinensis. Enzyme and Microbial Technology, 2001, 28, 202-209.	3.2	50
28	Nontargeted Metabolomics Approach for Age Differentiation and Structure Interpretation of Age-Dependent Key Constituents in Hairy Roots of Panax ginseng. Journal of Natural Products, 2012, 75, 1777-1784.	3.0	48
29	Differentiation of Aroma Characteristics of Pine-Mushrooms (Tricholoma matsutake Sing.) of Different Grades Using Gas Chromatography-Olfactometry and Sensory Analysis. Journal of Agricultural and Food Chemistry, 2007, 55, 2323-2328.	5.2	46
30	Application of Metabolomics to Quality Control of Natural Product Derived Medicines. Biomolecules and Therapeutics, 2017, 25, 559-568.	2.4	41
31	Fingerprinting analysis of fresh ginseng roots of different ages using 1H-NMR spectroscopy and principal components analysis. Archives of Pharmacal Research, 2007, 30, 1625-1628.	6.3	40
32	Enhancement of paclitaxel production by temperature shift in suspension culture of Taxus chinensis. Enzyme and Microbial Technology, 2000, 27, 593-598.	3.2	39
33	Genome-wide transcriptome analysis revealed organelle specific responses to temperature variations in algae. Scientific Reports, 2016, 6, 37770.	3.3	38
34	Effect of Ethephon as an Ethylene-Releasing Compound on the Metabolic Profile of Chlorella vulgaris. Journal of Agricultural and Food Chemistry, 2016, 64, 4807-4816.	5.2	37
35	Metabolomic discrimination of different grades of pine-mushroom (Tricholoma matsutake Sing.) using 1H NMR spectrometry and multivariate data analysis. Journal of Pharmaceutical and Biomedical Analysis, 2007, 43, 900-904.	2.8	35
36	Potent inhibition of human cytochrome P450 1B1 by tetramethoxystilbene. Toxicology Letters, 2009, 189, 84-89.	0.8	35

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37	The chloroform fraction of guava (<i>Psidium cattleianum</i> Sabine) leaf extract inhibits human gastric cancer cell proliferation via induction of apoptosis. <i>Food Chemistry</i> , 2011, 125, 369-375.	8.2	35
38	Discrimination and prediction of the origin of Chinese and Korean soybeans using Fourier transform infrared spectrometry (FT-IR) with multivariate statistical analysis. <i>PLoS ONE</i> , 2018, 13, e0196315.	2.5	34
39	Classification and prediction of free-radical scavenging activities of dangyuja (<i>Citrus grandis</i> Osbeck) fruit extracts using ¹ H NMR spectroscopy and multivariate statistical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 49, 567-571.	2.8	33
40	Synergistic induction of apoptosis by combination treatment with mesupron and auranofin in human breast cancer cells. <i>Archives of Pharmacal Research</i> , 2017, 40, 746-759.	6.3	33
41	Free radical-scavenging and inhibition of nitric oxide production by four grades of pine mushroom (<i>Tricholoma matsutake</i> Sing.). <i>Food Chemistry</i> , 2007, 103, 1337-1342.	8.2	32
42	Metabolomics and Lipidomics Approaches in the Science of Probiotics: A Review. <i>Journal of Medicinal Food</i> , 2018, 21, 1086-1095.	1.5	32
43	Human steroid sulfatase induces Wnt/ β -catenin signaling and epithelial-mesenchymal transition by upregulating Twist1 and HIF-1 α in human prostate and cervical cancer cells. <i>Oncotarget</i> , 2017, 8, 61604-61617.	1.8	32
44	Multidimensional gas chromatography of oxidative degradation products in algae-derived fuel oil samples using narrow heartcuts and rapid cycle times. <i>Journal of Chromatography A</i> , 2012, 1224, 89-96.	3.7	31
45	Effects of <i>Rubus coreanus</i> Miquel supplement on plasma antioxidant capacity in healthy Korean men. <i>Nutrition Research and Practice</i> , 2011, 5, 429.	1.9	30
46	Ellagic Acid Identified through Metabolomic Analysis Is an Active Metabolite in Strawberry (<i>Seolhyang</i> [™]) Regulating Lipopolysaccharide-Induced Inflammation. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 3954-3962.	5.2	30
47	Duckweeds: their utilization, metabolites and cultivation. <i>Applied Biological Chemistry</i> , 2021, 64, 73.	1.9	30
48	Metabolomic Analysis Reveals Cyanidins in Black Raspberry as Candidates for Suppression of Lipopolysaccharide-Induced Inflammation in Murine Macrophages. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 5449-5458.	5.2	29
49	Free-radical-scavenging and tyrosinase-inhibition activities of Cheonggukjang samples fermented for various times. <i>Food Chemistry</i> , 2008, 106, 564-568.	8.2	28
50	Highly geographical specificity of metabolomic traits among Korean domestic soybeans (<i>Glycine max</i>). <i>Food Research International</i> , 2019, 120, 12-18.	6.2	28
51	Study of volatile organic acids in freeze-dried Cheonggukjang formed during fermentation using SPME and stable-isotope dilution assay (SIDA). <i>Food Chemistry</i> , 2007, 105, 1276-1280.	8.2	26
52	Classification of Fermented Soybean Paste during Fermentation by ¹ H Nuclear Magnetic Resonance Spectroscopy and Principal Component Analysis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 502-507.	1.3	25
53	Metabolic analysis of guava (<i>Psidium guajava</i> L.) fruits at different ripening stages using different data-processing approaches. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 2983-2988.	2.3	25
54	Discrimination and prediction of cultivation age and parts of <i>Panax ginseng</i> by Fourier-transform infrared spectroscopy combined with multivariate statistical analysis. <i>PLoS ONE</i> , 2017, 12, e0186664.	2.5	25

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55	Exposureâ€“Response of Wheat Cultivars to TiO ₂ Nanoparticles in Contrasted Soils. Soil and Sediment Contamination, 2019, 28, 184-199.	1.9	25
56	Positive regulation of apoptosis signal-regulating kinase 1 by dual-specificity phosphatase 13A. Cellular and Molecular Life Sciences, 2010, 67, 2619-2629.	5.4	23
57	Hypoxanthine levels in human urine serve as a screening indicator for the plasma total cholesterol and low-density lipoprotein modulation activities of fermented red pepper paste. Nutrition Research, 2010, 30, 455-461.	2.9	23
58	Biochemical characterization of cultivated Cordyceps bassiana mycelia and fruiting bodies by 1H nuclear magnetic resonance spectroscopy. Metabolomics, 2013, 9, 236-246.	3.0	23
59	Anti-inflammatory effects of Rubus coreanus Miquel through inhibition of NF-ÎB and MAP Kinase. Nutrition Research and Practice, 2014, 8, 501.	1.9	23
60	Rapid sequential separation of essential oil compounds using continuous heart-cut multi-dimensional gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2011, 1218, 2626-2634.	3.7	22
61	Metabolomic profiling reveals enrichment of cordycepin in senescence process of Cordyceps militaris fruit bodies. Journal of Microbiology, 2019, 57, 54-63.	2.8	22
62	Classification of Fermented Soymilk during Fermentation by ¹ H NMR Coupled with Principal Component Analysis and Elucidation of Free-Radical Scavenging Activities. Bioscience, Biotechnology and Biochemistry, 2009, 73, 1184-1188.	1.3	21
63	Metabolic Profiling and Predicting the Free Radical Scavenging Activity of Guava (Psidium guajavaL.) Leaves According to Harvest Time by 1H-Nuclear Magnetic Resonance Spectroscopy. Bioscience, Biotechnology and Biochemistry, 2011, 75, 1090-1097.	1.3	21
64	Current Status and Future Strategies to Increase Secondary Metabolite Production from Cyanobacteria. Microorganisms, 2020, 8, 1849.	3.6	21
65	Enhanced production of paclitaxel by semi-continuous batch process (SCBP) in suspension culture of Taxus chinensis. Enzyme and Microbial Technology, 2001, 29, 583-586.	3.2	20
66	Chemical profiles and antioxidant properties of roasted rice hull extracts in bulk oil and oil-in-water emulsion. Food Chemistry, 2019, 272, 242-250.	8.2	20
67	Changes in fluorescent dissolved organic matter and their association with phytoavailable phosphorus in soil amended with TiO ₂ nanoparticles. Chemosphere, 2019, 227, 17-25.	8.2	20
68	Metabolic and Lipidomic Profiling of Vegetable Juices Fermented with Various Probiotics. Biomolecules, 2020, 10, 725.	4.0	20
69	Characteristics of fecal metabolic profiles in patients with irritable bowel syndrome with predominant diarrhea investigated using 1 Hâ€“NMR coupled with multivariate statistical analysis. Neurogastroenterology and Motility, 2020, 32, e13830.	3.0	20
70	Metabolic Discrimination of Catharanthus roseus Calli According to Their Relative Locations Using 1H-NMR and Principal Component Analysis. Bioscience, Biotechnology and Biochemistry, 2009, 73, 2032-2036.	1.3	19
71	Metabolomic differentiation of deer antlers of various origins by 1H NMR spectrometry and principal components analysis. Journal of Pharmaceutical and Biomedical Analysis, 2006, 41, 1047-1050.	2.8	18
72	Effects of coronatine elicitation on growth and metabolic profiles of Lemna paucicostata culture. PLoS ONE, 2017, 12, e0187622.	2.5	18

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73	Development of suspension cell culture model to mimic circulating tumor cells. <i>Oncotarget</i> , 2018, 9, 622-640.	1.8	18
74	Metabolic profiling and enhanced production of phytosterols by elicitation with methyl jasmonate and silver nitrate in whole plant cultures of <i>Lemna paucicostata</i> . <i>Process Biochemistry</i> , 2013, 48, 1581-1586.	3.7	17
75	NMR and GC-MS Based Metabolic Profiling and Free-Radical Scavenging Activities of <i>Cordyceps pruinosa</i> Mycelia Cultivated under Different Media and Light Conditions. <i>PLoS ONE</i> , 2014, 9, e90823.	2.5	17
76	Antiproliferative and Apoptotic Activity of <i>Chamaecyparis obtusa</i> Leaf Extract against the HCT116 Human Colorectal Cancer Cell Line and Investigation of the Bioactive Compound by Gas Chromatography-Mass Spectrometry-Based Metabolomics. <i>Molecules</i> , 2015, 20, 18066-18082.	3.8	17
77	¹ H-NMR Based Discrimination of Thermal and Vinegar Treated Ginseng Roots. <i>Journal of Food Science</i> , 2010, 75, C577-81.	3.1	16
78	Increased serum bile acid concentration following low-dose chronic administration of thioacetamide in rats, as evidenced by metabolomic analysis. <i>Toxicology and Applied Pharmacology</i> , 2015, 288, 213-222.	2.8	16
79	Contrasting photoadaptive strategies of two morphologically distinct <i>Dunaliella</i> species under various salinities. <i>Journal of Applied Phycology</i> , 2015, 27, 1053-1062.	2.8	16
80	Photosynthetic pigment production and metabolic and lipidomic alterations in the marine cyanobacteria <i>Synechocystis</i> sp. PCC 7338 under various salinity conditions. <i>Journal of Applied Phycology</i> , 2021, 33, 197-209.	2.8	16
81	Discrimination of the Geographical Origin of Soybeans Using NMR-Based Metabolomics. <i>Foods</i> , 2021, 10, 435.	4.3	16
82	Phenolic compounds from the root of <i>Phragmites communis</i> . <i>Chemistry of Natural Compounds</i> , 2009, 45, 893-895.	0.8	15
83	Metabolic Profiles and Free Radical Scavenging Activity of <i>Cordyceps bassiana</i> Fruiting Bodies According to Developmental Stage. <i>PLoS ONE</i> , 2013, 8, e73065.	2.5	15
84	Metabolite fingerprinting of bokbunja (<i>Rubus coreanus</i> Miquel) by UPLC-qTOF-MS. <i>Food Science and Biotechnology</i> , 2011, 20, 567-570.	2.6	14
85	¹²⁵ I-Thujaplicin modulates estrogen receptor signaling and inhibits proliferation of human breast cancer cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 1011-1017.	1.3	14
86	Enhanced production of fatty acids in three strains of microalgae using a combination of nitrogen starvation and chemical inhibitors of carbohydrate synthesis. <i>Biotechnology and Bioprocess Engineering</i> , 2017, 22, 60-67.	2.6	14
87	Discovery study of integrative metabolic profiles of sesame seeds cultivated in different countries. <i>LWT - Food Science and Technology</i> , 2020, 129, 109454.	5.2	14
88	Effects of Korean black raspberry supplementation on oxidative stress and plasma antioxidant capacity in healthy male smokers. <i>Journal of Functional Foods</i> , 2015, 16, 393-402.	3.4	13
89	Differentiation of Roots of <i>Glycyrrhiza</i> Species by ¹ H Nuclear Magnetic Resonance Spectroscopy and Multivariate Statistical Analysis. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 825-828.	1.9	13
90	Physiological and metabolomic analysis of a knockout mutant suggests a critical role of MtP5CS3 gene in osmotic stress tolerance of <i>Medicago truncatula</i> . <i>Euphytica</i> , 2013, 193, 101-120.	1.2	12

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91	Triazine herbicides inhibit relaxin signaling and disrupt nitric oxide homeostasis. <i>Toxicology and Applied Pharmacology</i> , 2016, 307, 10-18.	2.8	12
92	Comprehensive metabolic profiles of mulberry fruit (<i>Morus alba</i> Linnaeus) according to maturation stage. <i>Food Science and Biotechnology</i> , 2016, 25, 1035-1041.	2.6	12
93	NMR-based metabolic profiling discriminates the geographical origin of raw sesame seeds. <i>Food Control</i> , 2020, 112, 107113.	5.5	12
94	G0/G1 Switch 2 Induces Cell Survival and Metastasis through Integrin-Mediated Signal Transduction in Human Invasive Breast Cancer Cells. <i>Biomolecules and Therapeutics</i> , 2019, 27, 591-602.	2.4	12
95	Induction of steroid sulfatase expression in PC-3 human prostate cancer cells by insulin-like growth factor II. <i>Toxicology Letters</i> , 2013, 223, 109-115.	0.8	11
96	¹ H NMR based metabolite profiling for optimizing the ethanol extraction of <i>Wolfiporia cocos</i> . <i>Saudi Journal of Biological Sciences</i> , 2018, 25, 1128-1134.	3.8	11
97	Comparative Primary Metabolic and Lipidomic Profiling of Freshwater and Marine <i>Synechocystis</i> Strains Using GC-MS and NanoESI-MS Analyses. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 308-319.	2.6	11
98	Discrimination of Cultivated Regions of Soybeans (<i>Glycine max</i>) Based on Multivariate Data Analysis of Volatile Metabolite Profiles. <i>Molecules</i> , 2020, 25, 763.	3.8	11
99	NanoESI-MS-based lipidomics to discriminate between cultivars, cultivation ages, and parts of <i>Panax ginseng</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2109-2121.	3.7	10
100	Effects of the timing of a culture temperature reduction on the comprehensive metabolite profiles of <i>Chlorella vulgaris</i> . <i>Journal of Applied Phycology</i> , 2016, 28, 2641-2650.	2.8	10
101	Metabolic and lipidomic investigation of the antiproliferative effects of coronatine against human melanoma cells. <i>Scientific Reports</i> , 2019, 9, 3140.	3.3	10
102	Determination of the Volatile Components in the Fruits and Leaves of Guava Plants (<i>Psidium</i>)	2.7	9
103	Regulation of a phenylalanine ammonia lyase (<i>BbPAL</i>) by calmodulin in response to environmental changes in the entomopathogenic fungus <i>Beauveria bassiana</i> . <i>Environmental Microbiology</i> , 2015, 17, 4484-4494.	3.8	9
104	Comparative Lipidomic Profiling of Two <i>Dunaliella tertiolecta</i> Strains with Different Growth Temperatures under Nitrate-Deficient Conditions. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 880-887.	5.2	9
105	Potential urinary biomarkers of nephrotoxicity in cyclophosphamide-treated rats investigated by NMR-based metabolic profiling. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, N/A.	3.0	9
106	Phycobiliproteins Production Enhancement and Lipidomic Alteration by Titanium Dioxide Nanoparticles in <i>Synechocystis</i> sp. PCC 6803 Culture. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 8522-8529.	5.2	9
107	Fingerprinting Differentiation of <i>Astragalus membranaceus</i> Roots According to Ages Using ¹ H-NMR Spectroscopy and Multivariate Statistical Analysis. <i>Biomolecules and Therapeutics</i> , 2009, 17, 133-137.	2.4	9
108	Metabolic and lipidomic characterization of radioresistant MDA-MB-231 human breast cancer cells to investigate potential therapeutic targets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 208, 114449.	2.8	9

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109	Metabolomic characterization of the region- and maturity-specificity of <i>Rubus coreanus</i> Miquel (Bokbunja). <i>Food Research International</i> , 2013, 54, 508-515.	6.2	8
110	Comparison of the Profile and Composition of Volatiles in Coniferous Needles According to Extraction Methods. <i>Molecules</i> , 2016, 21, 363.	3.8	8
111	An automated high-throughput sample preparation method using double-filtration for serum metabolite LC-MS analysis. <i>Analytical Methods</i> , 2019, 11, 4060-4065.	2.7	8
112	Enhanced Production of Fatty Acids via Redirection of Carbon Flux in Marine Microalga <i>Tetraselmis</i> sp.. <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 267-274.	2.1	8
113	Ameliorating effects of Mango (<i>Mangifera indica</i> L.) fruit on plasma ethanol level in a mouse model assessed with 1H-NMR based metabolic profiling. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2011, 48, 214-221.	1.4	7
114	Effect of Korean black raspberry (<i>Rubus coreanus</i> Miquel) fruit administration on DNA damage levels in smokers and screening biomarker investigation using 1H-NMR-based metabolic profiling. <i>Food Research International</i> , 2013, 54, 1255-1262.	6.2	7
115	Mycobiome analysis for distinguishing the geographical origins of sesame seeds. <i>Food Research International</i> , 2021, 143, 110271.	6.2	7
116	Different Regulatory Modes of <i>Synechocystis</i> sp. PCC 6803 in Response to Photosynthesis Inhibitory Conditions. <i>MSystems</i> , 2021, 6, e0094321.	3.8	7
117	Multi-Omic Analyses Reveal Habitat Adaptation of Marine Cyanobacterium <i>Synechocystis</i> sp. PCC 7338. <i>Frontiers in Microbiology</i> , 2021, 12, 667450.	3.5	6
118	1H-NMR-Based Metabolic Profiling of <i>Cordyceps militaris</i> to Correlate the Development Process and Anti-Cancer Effect. <i>Journal of Microbiology and Biotechnology</i> , 2019, 29, 1212-1220.	2.1	6
119	Proteomic analysis of <i>Synechocystis</i> sp. PCC6803 responses to low-temperature and high light conditions. <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 629-640.	2.6	5
120	Lipids in Ginseng (<i>Panax ginseng</i>) and Their Analysis. <i>Natural Product Sciences</i> , 2018, 24, 1.	0.9	5
121	Increased hepatic acylcarnitines after oral administration of amiodarone in rats. <i>Journal of Applied Toxicology</i> , 2020, 40, 1004-1013.	2.8	5
122	Integrative Metabolomic and Lipidomic Profiling of Lung Squamous Cell Carcinoma for Characterization of Metabolites and Intact Lipid Species Related to the Metastatic Potential. <i>Cancers</i> , 2021, 13, 4179.	3.7	5
123	Functional implications of hexameric assembly of RraA proteins from <i>Vibrio vulnificus</i> . <i>PLoS ONE</i> , 2017, 12, e0190064.	2.5	5
124	Proteomic Analysis on Acetate Metabolism in <i>Citrobacter</i> sp. BL-4. <i>International Journal of Biological Sciences</i> , 2012, 8, 66-78.	6.4	5
125	Simple and Rapid Determination of Cordycepin in <i>Cordyceps militaris</i> Fruiting Bodies by Quantitative Nuclear Magnetic Resonance Spectroscopy. <i>Analytical Letters</i> , 2014, 47, 1031-1042.	1.8	4
126	Characterization and classification of rat neural stem cells and differentiated cells by comparative metabolic and lipidomic profiling. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5423-5436.	3.7	4

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127	Comparative Proteomic Profiling of Marine and Freshwater Synechocystis Strains Using Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 790.	2.6	4
128	Enhanced Production of Photosynthetic Pigments and Various Metabolites and Lipids in the Cyanobacteria <i>Synechocystis</i> sp. PCC 7338 Culture in the Presence of Exogenous Glucose. <i>Biomolecules</i> , 2021, 11, 214.	4.0	4
129	Photosynthetic production of biodiesel in <i>Synechocystis</i> sp. PCC6803 transformed with insect or plant fatty acid methyltransferase. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1433-1439.	3.4	4
130	Proton Nuclear Magnetic Resonance Spectrometry-Based Metabolic Characterization of <i>Panax Notoginseng</i> Roots. <i>Analytical Letters</i> , 2015, 48, 1341-1354.	1.8	3
131	Effects of Agitating Culture Condition on the Growth, Metabolic and Carotenoid Profiles of <i>Lemna paucicostata</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2018, 23, 23-30.	2.6	3
132	Unique Metabolic Profiles of Korean Rice According to Polishing Degree, Variety, and Geo-Environmental Factors. <i>Foods</i> , 2021, 10, 711.	4.3	3
133	Characteristics of Growth, Pigment and Monacolin K Production by <i>Monascus</i> strains in Liquid Culture. <i>KSBB Journal</i> , 2012, 27, 301-307.	0.2	3
134	<i>Mariannaea samuelsii</i> Isolated from a Bark Beetle-Infested Elm Tree in Korea. <i>Mycobiology</i> , 2012, 40, 94-99.	1.7	2
135	Microscopic analysis of <i>Cordyceps bassiana</i> (anamorph stage: <i>Beauveria bassiana</i>) stromata during artificial cultivation for commercial use. <i>Journal of General and Applied Microbiology</i> , 2012, 58, 325-329.	0.7	2
136	Differentiating <i>Chamaecyparis obtusa</i> and <i>Chamaecyparis pisifera</i> Leaves Using ^1H Nuclear Magnetic Resonance Spectroscopy. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 1237-1244.	1.9	2
137	Metabolomic Analysis of Ethyl Acetate and Methanol Extracts of Blueberry. <i>Journal of the Korean Society of Food Science and Nutrition</i> , 2014, 43, 419-424.	0.9	2
138	Alteration of metabolic profiles in <i>Lemna paucicostata</i> culture and enhanced production of GABA and ferulic acid by ethephon treatment. <i>PLoS ONE</i> , 2020, 15, e0231652.	2.5	1
139	Absolute oral and subcutaneous bioavailability of ortho-topolin riboside in mice. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 206, 114363.	2.8	1
140	Identification of a Novel SHP-2 Protein Tyrosine Phosphatase Inhibitor. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 420-424.	3.2	0
141	Anticancer activity and metabolic profile alterations by ortho-topolin riboside in in vitro and in vivo models of non-small cell lung cancer. <i>FASEB Journal</i> , 2022, 36, e22127.	0.5	0