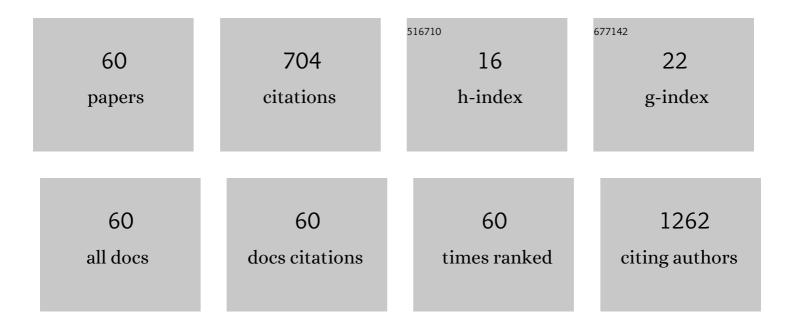
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	NMR-based metabolomics revealed metabolic changes in energy production for viral replication and immunological response in rock bream (Oplegnathus fasciatus) tissues during rock bream iridovirus (RBIV) infection. Aquaculture, 2022, 547, 737451.	3.5	2
2	Validation of a Quantification Method for Curcumin Derivatives and Their Hepatoprotective Effects on Nonalcoholic Fatty Liver Disease. Current Issues in Molecular Biology, 2022, 44, 409-432.	2.4	5
3	Black Ginseng Extract Suppresses Airway Inflammation Induced by Cigarette Smoke and Lipopolysaccharides In Vivo. Antioxidants, 2022, 11, 679.	5.1	7
4	Integration of multiplatform metabolomics and multivariate analysis for geographical origin discrimination of Panax ginseng. Food Research International, 2022, 159, 111610.	6.2	14
5	Sodium/glucose Co-Transporter 2 Inhibitor, Empagliflozin, Alleviated Transient Expression of SGLT2 after Myocardial Infarction. Korean Circulation Journal, 2021, 51, 251.	1.9	16
6	Comparison of Antivirulence Activities of Black Ginseng against Methicillin-Resistant Staphylococcus aureus According to the Number of Repeated Steaming and Drying Cycles. Antibiotics, 2021, 10, 617.	3.7	4
7	NMR-Based Metabolomics Approach to Investigate the Effects of Fruits of Acanthopanax sessiliflorus in a High-Fat Diet Induced Mouse Model. Metabolites, 2021, 11, 505.	2.9	6
8	Noble 3,4-Seco-triterpenoid Glycosides from the Fruits of Acanthopanax sessiliflorus and Their Anti-Neuroinflammatory Effects. Antioxidants, 2021, 10, 1334.	5.1	7
9	Impact of intratumoral heterogeneity on the metabolic profiling of breast cancer tissue using highâ€resolution magic angle spinning magnetic resonance spectroscopy. NMR in Biomedicine, 2021, , e4682.	2.8	2
10	Glutathione Injection Alleviates the Fluctuation of Metabolic Response under Thermal Stress in Olive Flounder, Paralichthys olivaceus. Metabolites, 2020, 10, 3.	2.9	11
11	Mitigating Effects of Liriope platyphylla on Nicotine-Induced Behavioral Sensitization and Quality Control of Compounds. Brain Sciences, 2020, 10, 654.	2.3	2
12	Inhibitory Effects of Thymol Isolated from Curcuma longa L. on Adipogenesis in HepG2 Cells. Processes, 2020, 8, 1191.	2.8	3
13	LC–MS-Based Lipidomic Analysis of Serum Samples from Spontaneously Hypertensive Rats Treated with an Extract of Acanthopanax sessiliflorus Fruits. Molecules, 2020, 25, 3269.	3.8	0
14	Vibrio harveyi Infection Significantly Alters Amino Acid and Carbohydrate Metabolism in Whiteleg Shrimp, Litopenaeus vannamei. Metabolites, 2020, 10, 265.	2.9	11
15	Serum Metabolic Profiling Reveals Potential Anti-Inflammatory Effects of the Intake of Black Ginseng Extracts in Beagle Dogs. Molecules, 2020, 25, 3759.	3.8	3
16	Metabolic Changes in Serum Metabolome of Beagle Dogs Fed Black Ginseng. Metabolites, 2020, 10, 517.	2.9	12
17	Serum Metabonomic Research of the Anti-Hypertensive Effects of Ogaja on Spontaneously Hypertensive Rats. Metabolites, 2020, 10, 404.	2.9	1
18	A Comparative Study on Processed Panax ginseng Products Using HR-MAS NMR-Based Metabolomics. Molecules, 2020, 25, 1390.	3.8	14

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19	Co-Expression Network Analysis of Spleen Transcriptome in Rock Bream (Oplegnathus fasciatus) Naturally Infected with Rock Bream Iridovirus (RBIV). International Journal of Molecular Sciences, 2020, 21, 1707.	4.1	17
20	Metabolic profiling and method validation of marker compounds from Saposhnikoviae Radix and Peucedani Japonici Radix. Journal of Applied Biological Chemistry, 2020, 63, 393-399.	0.4	2
21	Machine learning for a rapid discrimination of ginseng cultivation age using 1H-NMR spectra. Applied Biological Chemistry, 2020, 63, .	1.9	1
22	Machilin A Inhibits Tumor Growth and Macrophage M2 Polarization Through the Reduction of Lactic Acid. Cancers, 2019, 11, 963.	3.7	25
23	Ginseng Berry Prevents Alcohol-Induced Liver Damage by Improving the Anti-Inflammatory System Damage in Mice and Quality Control of Active Compounds. International Journal of Molecular Sciences, 2019, 20, 3522.	4.1	15
24	Metabolomics for Age Discrimination of Ginseng Using a Multiplex Approach to HR-MAS NMR Spectroscopy, UPLC–QTOF/MS, and GC × GC–TOF/MS. Molecules, 2019, 24, 2381.	3.8	17
25	Comparative Analysis of Panax ginseng Berries from Seven Cultivars Using UPLC-QTOF/MS and NMR-Based Metabolic Profiling. Biomolecules, 2019, 9, 424.	4.0	14
26	Discrimination of Human Urine from Animal Urine Using 1H-NMR. Journal of Analytical Toxicology, 2019, 43, 51-60.	2.8	5
27	Simultaneous determination of various platycosides in Four Platycodon grandiflorum cultivars by UPLC-QTOF/MS. Applied Biological Chemistry, 2019, 62, .	1.9	6
28	Identification and quantification of major malonyl ginsenosides isolated from Panax ginseng C.A. Meyer. Journal of Applied Biological Chemistry, 2019, 62, 375-384.	0.4	1
29	Serum and urine toxicometabolomics following gentamicin-induced nephrotoxicity in male Sprague-Dawley rats. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2018, 81, 408-420.	2.3	13
30	¹ H NMR Based Metabolomics Studies of the Toxicity of Titanium Dioxide Nanoparticles in Zebrafish (<scp><i>Danio rerio</i></scp>). Bulletin of the Korean Chemical Society, 2018, 39, 33-39.	1.9	17
31	Cooperative interactions between seed-borne bacterial and air-borne fungal pathogens on rice. Nature Communications, 2018, 9, 31.	12.8	46
32	Mode of action characterization for adverse effect of propranolol in Daphnia magna based on behavior and physiology monitoring and metabolite profiling. Environmental Pollution, 2018, 233, 99-108.	7.5	26
33	Gene expression profiles alteration after infection of virus, bacteria, and parasite in the Olive flounder (Paralichthys olivaceus). Scientific Reports, 2018, 8, 18065.	3.3	14
34	Global metabolomics approach in in vitro and in vivo models reveals hepatic glutathione depletion induced by amorphous silica nanoparticles. Chemico-Biological Interactions, 2018, 293, 100-106.	4.0	25
35	Integrated approach of eco-epigenetics and eco-metabolomics on the stress response of bisphenol-A exposure in the aquatic midge Chironomus riparius. Ecotoxicology and Environmental Safety, 2018, 163, 111-116.	6.0	20
36	¹ H-NMR-based metabolomic studies of bisphenol A in zebrafish (<i>Danio rerio</i>). Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2017, 52, 282-289.	1.5	17

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37	¹ Hâ€NMRâ€based Metabolomics Studies of the Toxicity of Mesoporous Carbon Nanoparticles in Zebrafish (<scp><i>Danio rerio</i></scp>). Bulletin of the Korean Chemical Society, 2017, 38, 271-277.	1.9	16
38	¹ Hâ€ <scp>NMR</scp> with Multivariate Analysis for Automobile Lubricant Comparison. Journal of Forensic Sciences, 2017, 62, 1033-1036.	1.6	2
39	Characterization of a thermostable glycoside hydrolase family 36 α-galactosidase from Caldicellulosiruptor bescii. Journal of Bioscience and Bioengineering, 2017, 124, 289-295.	2.2	19
40	Differential crosstalk between global DNA methylation and metabolomics associated with cell type specific stress response by pristine and functionalized MWCNT. Biomaterials, 2017, 115, 167-180.	11.4	31
41	<scp>¹Hâ€NMR</scp> â€based Metabolomic Study of <i>Miamiensis avidus</i> â€infected Olive Flounder. Bulletin of the Korean Chemical Society, 2017, 38, 550-555.	1.9	1
42	Toxicological Assessment of Microcystin‣R to Zebrafish (<i>Danio rerio</i>) Using Metabolomics. Bulletin of the Korean Chemical Society, 2017, 38, 459-465.	1.9	7
43	Metabolomics and mitochondrial dysfunction in Alzheimer's disease. Genes and Genomics, 2017, 39, 295-300.	1.4	4
44	JAK/STAT and TGF-ß activation as potential adverse outcome pathway of TiO2NPs phototoxicity in Caenorhabditis elegans. Scientific Reports, 2017, 7, 17833.	3.3	21
45	Induction of p53-Independent Apoptosis and G1 Cell Cycle Arrest by Fucoidan in HCT116 Human Colorectal Carcinoma Cells. Marine Drugs, 2017, 15, 154.	4.6	57
46	Transformation of liver cells by 3-methylcholanthrene potentiates oxidative stress via the downregulation of glutathione synthesis. International Journal of Molecular Medicine, 2017, 40, 2011-2017.	4.0	6
47	Magnetic resonance metabolic profiling of estrogen receptor-positive breast cancer: correlation with currently used molecular markers. Oncotarget, 2017, 8, 63405-63416.	1.8	8
48	Discrimination of Basal Cell Carcinoma from Normal Skin Tissue Using High-Resolution Magic Angle Spinning 1H NMR Spectroscopy. PLoS ONE, 2016, 11, e0150328.	2.5	23
49	Intratumoral Agreement of High-Resolution Magic Angle Spinning Magnetic Resonance Spectroscopic Profiles in the Metabolic Characterization of Breast Cancer. Medicine (United States), 2016, 95, e3398.	1.0	17
50	Prediction of Indolent Breast Cancer with Favorable Prognostic Factors by Metabolic Profiling Using In Vivo and Ex Vivo MR Metabolomics. Applied Magnetic Resonance, 2016, 47, 159-174.	1.2	1
51	1H-NMR-based metabolomic study on toxicity of methomyl and methidathion in fish. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2016, 51, 824-831.	1.5	12
52	Detection of LINE RT elements in the olive flounder (Paralichthys olivaceus) genome and expression analysis after infection with S. parauberis. Genes and Genomics, 2016, 38, 1105-1110.	1.4	1
53	Metabolic responses in zebrafish (<i>Danio rerio</i>) exposed to zinc and cadmium by nuclear magnetic resonance -based metabolomics. Chemistry and Ecology, 2016, 32, 136-148.	1.6	16
54	Metabolomics of Breast Cancer Using High-Resolution Magic Angle Spinning Magnetic Resonance Spectroscopy: Correlations with 18F-FDG Positron Emission Tomography-Computed Tomography, Dynamic Contrast-Enhanced and Diffusion-Weighted Imaging MRI. PLoS ONE, 2016, 11, e0159949.	2.5	21

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55	The Role of High-Resolution Magic Angle Spinning 1H Nuclear Magnetic Resonance Spectroscopy for Predicting the Invasive Component in Patients with Ductal Carcinoma In Situ Diagnosed on Preoperative Biopsy. PLoS ONE, 2016, 11, e0161038.	2.5	23
56	The difference of metabolic profile between male and female zebrafish. Journal of the Korean Magnetic Resonance Society, 2016, 20, 13-16.	0.1	2
57	HR-MAS NMR Technique for Metabolic Profiling of Powdery Ginseng. Journal of the Korean Magnetic Resonance Society, 2016, 20, 82-86.	0.1	1
58	Investigation of Germicide and Growth Enhancer Effects on Bean Sprout using NMR-based Metabolomics. Journal of the Korean Magnetic Resonance Society, 2016, 20, 121-128.	0.1	0
59	1D Proton NMR Spectroscopic Determination of Ethanol and Ethyl Glucuronide in Human Urine. Bulletin of the Korean Chemical Society, 2013, 34, 2413-2418.	1.9	4
60	Applications of NMR spectroscopy based metabolomics: a review. Journal of the Korean Magnetic Resonance Society, 2013, 17, 1-10.	0.1	10