

# Kiyotaka Nakagawa

## List of Publications by Year in descending order

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183  
papers

5,927  
citations

61984

43  
h-index

98798

67  
g-index

186  
all docs

186  
docs citations

186  
times ranked

6005  
citing authors

#	ARTICLE	IF	CITATIONS
1	Food-Grade Mulberry Powder Enriched with 1-Deoxynojirimycin Suppresses the Elevation of Postprandial Blood Glucose in Humans. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 5869-5874.	5.2	283
2	MicroRNAs in Plasma and Cerebrospinal Fluid as Potential Markers for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2014, 39, 253-259.	2.6	214
3	Tea Catechin Supplementation Increases Antioxidant Capacity and Prevents Phospholipid Hydroperoxidation in Plasma of Humans. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 3967-3973.	5.2	179
4	Mitochondrial Oxidative Damage in Chicken Skeletal Muscle Induced by Acute Heat Stress. <i>Journal of Poultry Science</i> , 2007, 44, 439-445.	1.6	167
5	Ferroptosis driven by radical oxidation of n-6 polyunsaturated fatty acids mediates acetaminophen-induced acute liver failure. <i>Cell Death and Disease</i> , 2020, 11, 144.	6.3	166
6	Vitamin E: Regulatory Redox Interactions. <i>IUBMB Life</i> , 2019, 71, 430-441.	3.4	162
7	Antioxidant effect of astaxanthin on phospholipid peroxidation in human erythrocytes. <i>British Journal of Nutrition</i> , 2011, 105, 1563-1571.	2.3	106
8	Quantitation of Tocotrienol and Tocopherol in Various Rice Brans. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 461-466.	5.2	102
9	Antiangiogenic and anticancer potential of unsaturated vitamin E (tocotrienol). <i>Journal of Nutritional Biochemistry</i> , 2009, 20, 79-86.	4.2	101
10	Drugs Repurposed as Antiferroptosis Agents Suppress Organ Damage, Including AKI, by Functioning as Lipid Peroxyl Radical Scavengers. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 280-296.	6.1	95
11	In Vivo Angiogenesis Is Suppressed by Unsaturated Vitamin E, Tocotrienol. <i>Journal of Nutrition</i> , 2007, 137, 1938-1943.	2.9	92
12	Intake of mulberry 1-deoxynojirimycin prevents diet-induced obesity through increases in adiponectin in mice. <i>Food Chemistry</i> , 2013, 139, 16-23.	8.2	91
13	Down-regulation of telomerase activity in DLD-1 human colorectal adenocarcinoma cells by tocotrienol. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 170-175.	2.1	88
14	Determination of 1-Deoxynojirimycin in Mulberry Leaves Using Hydrophilic Interaction Chromatography with Evaporative Light Scattering Detection. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 1415-1418.	5.2	84
15	Effect of mulberry leaf extract with enriched 1-deoxynojirimycin content on postprandial glycemic control in subjects with impaired glucose metabolism. <i>Journal of Diabetes Investigation</i> , 2011, 2, 318-323.	2.4	83
16	Determination of triacylglycerol oxidation mechanisms in canola oil using liquid chromatography-tandem mass spectrometry. <i>Npj Science of Food</i> , 2018, 2, 1.	5.5	81
17	A Critical Review of the Use of Surfactant-Coated Nanoparticles in Nanomedicine and Food Nanotechnology. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 3937-3999.	6.7	77
18	Effects of Mulberry Leaf Extract Rich in 1-Deoxynojirimycin on Blood Lipid Profiles in Humans. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2010, 47, 155-161.	1.4	76

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19	Synthetically prepared Amadori-glycated phosphatidylethanolamine can trigger lipid peroxidation via free radical reactions. <i>FEBS Letters</i> , 2000, 481, 26-30.	2.8	72
20	Evaporative Light-Scattering Analysis of Sulforaphane in Broccoli Samples: Quality of Broccoli Products Regarding Sulforaphane Contents. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 2479-2483.	5.2	72
21	Comparison of the effects of curcumin and curcumin glucuronide in human hepatocellular carcinoma HepG2 cells. <i>Food Chemistry</i> , 2014, 151, 126-132.	8.2	71
22	Tocotrienol Inhibits Secretion of Angiogenic Factors from Human Colorectal Adenocarcinoma Cells by Suppressing Hypoxia-Inducible Factor-1 $\alpha$ . <i>Journal of Nutrition</i> , 2008, 138, 2136-2142.	2.9	70
23	Metabolic Fate of Luteolin in Rats: Its Relationship to Anti-inflammatory Effect. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 4246-4254.	5.2	66
24	Tumor anti-angiogenic effect and mechanism of action of $\gamma$ -tocotrienol. <i>Biochemical Pharmacology</i> , 2008, 76, 330-339.	4.4	64
25	Occurrence of Orally Administered Mulberry 1-Deoxynojirimycin in Rat Plasma. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 8928-8933.	5.2	63
26	Intake of 1-Deoxynojirimycin Suppresses Lipid Accumulation through Activation of the $\beta$ -Oxidation System in Rat Liver. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 11024-11029.	5.2	63
27	Ion-trap tandem mass spectrometric analysis of Amadori-glycated phosphatidylethanolamine in human plasma with or without diabetes. <i>Journal of Lipid Research</i> , 2005, 46, 2514-2524.	4.2	61
28	Jacaric acid, a linolenic acid isomer with a conjugated triene system, has a strong antitumor effect in vitro and in vivo. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012, 1821, 980-988.	2.4	58
29	Synergistic inhibition of cancer cell proliferation with a combination of $\gamma$ -tocotrienol and ferulic acid. <i>Biochemical and Biophysical Research Communications</i> , 2014, 453, 606-611.	2.1	58
30	Production of the $\alpha$ -glucosidase inhibitor 1-deoxynojirimycin from <i>Bacillus</i> species. <i>Food Chemistry</i> , 2013, 138, 516-523.	8.2	57
31	Determination of iminosugars in mulberry leaves and silkworms using hydrophilic interaction chromatography-tandem mass spectrometry. <i>Analytical Biochemistry</i> , 2010, 404, 217-222.	2.4	54
32	Telomerase inhibition by sulfoquinovosyldiacylglycerol from edible purple laver ( <i>Porphyra</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (	7.2	53
33	$\gamma$ -Tocotrienol Suppresses VEGF Induced Angiogenesis whereas $\alpha$ -Tocopherol Does Not. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 8696-8704.	5.2	53
34	Liquid chromatography-tandem mass spectrometry determination of human plasma 1-palmitoyl-2-hydroperoxyoctadecadienoyl-phosphatidylcholine isomers via promotion of sodium adduct formation. <i>Analytical Biochemistry</i> , 2015, 471, 51-60.	2.4	52
35	Tocotrienol Attenuates Triglyceride Accumulation in HepG2 Cells and F344 Rats. <i>Lipids</i> , 2012, 47, 471-481.	1.7	50
36	Absorption and Metabolism of Luteolin in Rats and Humans in Relation to <i>in Vitro</i> Anti-inflammatory Effects. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 11320-11329.	5.2	50

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37	Development of a high-performance liquid chromatography-based assay for carotenoids in human red blood cells: Application to clinical studies. <i>Analytical Biochemistry</i> , 2008, 381, 129-134.	2.4	48
38	Antioxidant effect of lutein towards phospholipid hydroperoxidation in human erythrocytes. <i>British Journal of Nutrition</i> , 2009, 102, 1280-1284.	2.3	48
39	Ion-trap tandem mass spectrometric analysis of squalene monohydroperoxide isomers in sunlight-exposed human skin. <i>Journal of Lipid Research</i> , 2007, 48, 2779-2787.	4.2	47
40	LC-MS/MS analysis of carboxymethylated and carboxyethylated phosphatidylethanolamines in human erythrocytes and blood plasma. <i>Journal of Lipid Research</i> , 2010, 51, 2445-2453.	4.2	47
41	Tandem Mass Spectrometry Analysis of Linoleic and Arachidonic Acid Hydroperoxides via Promotion of Alkali Metal Adduct Formation. <i>Analytical Chemistry</i> , 2015, 87, 4980-4987.	6.5	47
42	Tocotrienol Distribution in Foods: Estimation of Daily Tocotrienol Intake of Japanese Population. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 3350-3355.	5.2	45
43	Alterations in the Levels of Amyloid- $\beta^2$ , Phospholipid Hydroperoxide, and Plasmalogen in the Blood of Patients with Alzheimer's Disease: Possible Interactions between Amyloid- $\beta^2$ and These Lipids. <i>Journal of Alzheimer's Disease</i> , 2016, 50, 527-537.	2.6	45
44	$\hat{\alpha}$ -Tocopherol attenuates the cytotoxic effect of $\hat{\gamma}$ -tocotrienol in human colorectal adenocarcinoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 397, 214-219.	2.1	44
45	Development of high 1-deoxyxojirimycin (DNJ) content mulberry tea and use of response surface methodology to optimize tea-making conditions for highest DNJ extraction. <i>LWT - Food Science and Technology</i> , 2012, 45, 226-232.	5.2	44
46	Effects of Co-Administration of Tea Epigallocatechin-3-gallate (EGCG) and Caffeine on Absorption and Metabolism of EGCG in Humans. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 2014-2017.	1.3	42
47	Amyloid $\hat{\beta}^2$ -induced erythrocytic damage and its attenuation by carotenoids. <i>FEBS Letters</i> , 2011, 585, 1249-1254.	2.8	42
48	Effects of Dietary Supplementation of Astaxanthin and Sesamin on Daily Fatigue: A Randomized, Double-Blind, Placebo-Controlled, Two-Way Crossover Study. <i>Nutrients</i> , 2018, 10, 281.	4.1	42
49	Distribution of Tocotrienols in Rats Fed a Rice Bran Tocotrienol Concentrate. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 464-471.	1.3	41
50	Oral Administration of Ethanolamine Glycerophospholipid Containing a High Level of Plasmalogen Improves Memory Impairment in Amyloid $\hat{\beta}^2$ -infused Rats. <i>Lipids</i> , 2017, 52, 575-585.	1.7	40
51	Modulation of cAMP levels by high-fat diet and curcumin and regulatory effects on CD36/FAT scavenger receptor/fatty acids transporter gene expression. <i>BioFactors</i> , 2017, 43, 42-53.	5.4	40
52	Polyunsaturated fatty acids inhibit telomerase activity in DLD-1 human colorectal adenocarcinoma cells: A dual mechanism approach. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2005, 1737, 1-10.	2.4	39
53	Synergistic Anticancer Effect of Tocotrienol Combined with Chemotherapeutic Agents or Dietary Components: A Review. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1605.	4.1	39
54	UV analysis of Amadori-glycated phosphatidylethanolamine in foods and biological samples. <i>Journal of Lipid Research</i> , 2002, 43, 523-529.	4.2	39

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55	Analysis of Plasmalogen Species in Foodstuffs. <i>Lipids</i> , 2016, 51, 199-210.	1.7	38
56	Optimization of 1-Deoxynojirimycin Extraction from Mulberry Leaves by Using Response Surface Methodology. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 2684-2689.	1.3	37
57	DNA chip analysis of comprehensive food function: Inhibition of angiogenesis and telomerase activity with unsaturated vitamin E, tocotrienol. <i>BioFactors</i> , 2004, 21, 5-10.	5.4	36
58	UV analysis of Amadori-glycated phosphatidylethanolamine in foods and biological samples. <i>Journal of Lipid Research</i> , 2002, 43, 523-9.	4.2	36
59	Preparation of pure lipid hydroperoxides. <i>Journal of Lipid Research</i> , 2008, 49, 2668-2677.	4.2	35
60	Validation of an Ion Trap Tandem Mass Spectrometric Analysis of Mulberry 1-Deoxynojirimycin in Human Plasma: Application to Pharmacokinetic Studies. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008, 72, 2210-2213.	1.3	35
61	The combination of maternal and offspring high-fat diets causes marked oxidative stress and development of metabolic syndrome in mouse offspring. <i>Life Sciences</i> , 2016, 151, 70-75.	4.3	35
62	Accurate quantitation of choline and ethanolamine plasmalogen molecular species in human plasma by liquid chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 134, 77-85.	2.8	35
63	±-Tocopherol Attenuates the Triglyceride- and Cholesterol-Lowering Effects of Rice Bran Tocotrienol in Rats Fed a Western Diet. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 5361-5366.	5.2	34
64	Curcumin and piperine supplementation of obese mice under caloric restriction modulates body fat and interleukin-1 <sup>2</sup> . <i>Nutrition and Metabolism</i> , 2018, 15, 12.	3.0	33
65	Oxidation of squalene by singlet oxygen and free radicals results in different compositions of squalene monohydroperoxide isomers. <i>Scientific Reports</i> , 2018, 8, 9116.	3.3	33
66	Preparation of Marine Plasmalogen and Selective Identification of Molecular Species by LC-MS/MS. <i>Journal of Oleo Science</i> , 2014, 63, 423-430.	1.4	32
67	Preparation of 13 or 9-Hydroperoxy-9Z,11E (9E,11E) or 10E,12Z (10E,12E)-Octadecadienoic Phosphatidylcholine Hydroperoxide. <i>Journal of Oleo Science</i> , 2014, 63, 431-437.	1.4	32
68	Intake of mulberry 1-deoxynojirimycin prevents colorectal cancer in mice. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2017, 61, 47-52.	1.4	32
69	Modulation of Telomerase Activity in Cancer Cells by Dietary Compounds: A Review. <i>International Journal of Molecular Sciences</i> , 2018, 19, 478.	4.1	30
70	A novel chiral stationary phase LC-MS/MS method to evaluate oxidation mechanisms of edible oils. <i>Scientific Reports</i> , 2017, 7, 10026.	3.3	29
71	A novel gelatin crosslinking method retards release of mulberry 1-deoxynojirimycin providing a prolonged hypoglycaemic effect. <i>Food Chemistry</i> , 2012, 134, 1823-1830.	8.2	28
72	Tocotrienol (Unsaturated Vitamin E) Suppresses Degranulation of Mast Cells and Reduces Allergic Dermatitis in Mice. <i>Journal of Oleo Science</i> , 2013, 62, 825-834.	1.4	28

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73	1-Deoxynojirimycin attenuates high glucose-accelerated senescence in human umbilical vein endothelial cells. <i>Experimental Gerontology</i> , 2014, 55, 63-69.	2.8	28
74	Simple and rapid determination of 1-Deoxynojirimycin in mulberry leaves. <i>BioFactors</i> , 2004, 22, 341-345.	5.4	26
75	Amyloid $\beta$ Induces Adhesion of Erythrocytes to Endothelial Cells and Affects Endothelial Viability and Functionality. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 2030-2033.	1.3	26
76	Studies Targeting $\beta$ -Glucosidase Inhibition, Antiangiogenic Effects, and Lipid Modification Regulation: Background, Evaluation, and Challenges in the Development of Food Ingredients for Therapeutic Purposes. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 900-908.	1.3	26
77	MS/MS and LC-MS/MS analysis of choline/ethanolamine plasmalogens via promotion of alkali metal adduct formation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1004, 85-92.	2.3	26
78	Effects of Historical Differences in Components of the Japanese Diet on the Risk of Obesity in Mice. <i>Nihon Eiyō-Shokuryō-Gakkai Shi = Nippon Eiyō-Shokuryō-Gakkaishi = Journal of Japanese Society of Nutrition and Food Science</i> , 2014, 67, 73-85.	0.2	26
79	Aculeatin, a coumarin derived from <i>Toddalia asiatica</i> (L.) Lam., enhances differentiation and lipolysis of 3T3-L1 adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2014, 453, 787-792.	2.1	24
80	Direct separation of the diastereomers of phosphatidylcholine hydroperoxide bearing 13-hydroperoxy-9Z,11E-octadecadienoic acid using chiral stationary phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1386, 53-61.	3.7	24
81	Metabolic fate of poly-(lactic-co-glycolic acid)-based curcumin nanoparticles following oral administration. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 3009-3022.	6.7	23
82	Cross-Fertilization for Enhancing Tocotrienol Biosynthesis in Rice Plants and QTL Analysis of Their $F_2$ Progenies. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 4620-4625.	5.2	21
83	Differential cellular uptake and metabolism of curcuminoids in monocytes/macrophages: regulatory effects on lipid accumulation. <i>British Journal of Nutrition</i> , 2014, 112, 8-14.	2.3	21
84	$\gamma$ -Tocotrienol treatment is more effective against hypoxic tumor cells than normoxic cells: potential implications for cancer therapy. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 832-840.	4.2	21
85	Presence of orally administered rice bran oil $\gamma$ -oryzanol in its intact form in mouse plasma. <i>Food and Function</i> , 2016, 7, 4816-4822.	4.6	21
86	Mass Spectrometric Discrimination of Squalene Monohydroperoxide Isomers. <i>Journal of Oleo Science</i> , 2017, 66, 227-234.	1.4	21
87	Metabolic and pathologic profiles of human LSS deficiency recapitulated in mice. <i>PLoS Genetics</i> , 2020, 16, e1008628.	3.5	21
88	Aging decreases antioxidant effects and increases lipid peroxidation in the Apolipoprotein E deficient mouse. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2013, 52, 234-240.	1.4	20
89	Separation and Detection of Plasmalogen in Marine Invertebrates by High-Performance Liquid Chromatography with Evaporative Light-Scattering Detection. <i>Lipids</i> , 2014, 49, 1261-1273.	1.7	20
90	Tocotrienol modulates crucial lipid metabolism-related genes in differentiated 3T3-L1 preadipocytes. <i>Food and Function</i> , 2014, 5, 2221-2227.	4.6	20

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91	A Combination of $\delta$ -Tocotrienol and Ferulic Acid Synergistically Inhibits Telomerase Activity in DLD-1 Human Colorectal Adenocarcinoma Cells. <i>Journal of Nutritional Science and Vitaminology</i> , 2016, 62, 281-287.	0.6	20
92	Significance of Squalene in Rice Bran Oil and Perspectives on Squalene Oxidation. <i>Journal of Nutritional Science and Vitaminology</i> , 2019, 65, S62-S66.	0.6	20
93	Extrinsic plasmalogens suppress neuronal apoptosis in mouse neuroblastoma Neuro-2A cells: importance of plasmalogen molecular species. <i>RSC Advances</i> , 2015, 5, 61012-61020.	3.6	19
94	Analysis of oxidation products of $\alpha$ -tocopherol in extra virgin olive oil using liquid chromatography-tandem mass spectrometry. <i>Food Chemistry</i> , 2020, 306, 125582.	8.2	19
95	Lactose Increases the Production of 1-deoxynojirimycin in <i>Bacillus amyloliquefaciens</i> . <i>Food Science and Technology Research</i> , 2017, 23, 349-353.	0.6	18
96	Identification of OsGGR2, a second geranylgeranyl reductase involved in $\alpha$ -tocopherol synthesis in rice. <i>Scientific Reports</i> , 2018, 8, 1870.	3.3	18
97	Lipidomic Analysis of Postmortem Prefrontal Cortex Phospholipids Reveals Changes in Choline Plasmalogen Containing Docosahexaenoic Acid and Stearic Acid Between Cases With and Without Alzheimer's Disease. <i>NeuroMolecular Medicine</i> , 2021, 23, 161-175.	3.4	18
98	$\beta$ -Tocotrienol Reduces Squalene Hydroperoxide-Induced Inflammatory Responses in HaCaT Keratinocytes. <i>Lipids</i> , 2010, 45, 833-841.	1.7	17
99	$\gamma$ -Tocotrienol Attenuates Triglyceride through Effect on Lipogenic Gene Expressions in Mouse Hepatocellular Carcinoma Hepa 1-6. <i>Journal of Nutritional Science and Vitaminology</i> , 2013, 59, 148-151.	0.6	17
100	Determination of Phosphatidylcholine Hydroperoxide (PCOOH) as a Marker of Membrane Lipid Peroxidation. <i>Journal of Nutritional Science and Vitaminology</i> , 2015, 61, S78-S80.	0.6	17
101	Effects of Extraction Methods on Phytochemicals of Rice Bran Oils Produced from Colored Rice. <i>Journal of Oleo Science</i> , 2018, 67, 135-142.	1.4	17
102	Evaluation of the anti-hyperglycemic effect and safety of microorganism 1-deoxynojirimycin. <i>PLoS ONE</i> , 2018, 13, e0199057.	2.5	17
103	Development of quantitation method for glycated aminophospholipids at the molecular species level in powdered milk and powdered buttermilk. <i>Scientific Reports</i> , 2018, 8, 8729.	3.3	17
104	Evaluation of lipid oxidation mechanisms in beverages and cosmetics via analysis of lipid hydroperoxide isomers. <i>Scientific Reports</i> , 2019, 9, 7387.	3.3	17
105	Absorption and Metabolism of $\beta$ -Oryzanol, a Characteristic Functional Ingredient in Rice Bran. <i>Journal of Nutritional Science and Vitaminology</i> , 2019, 65, S180-S184.	0.6	16
106	Evaluation of $\beta$ -oryzanol Accumulation and Lipid Metabolism in the Body of Mice Following Long-Term Administration of $\beta$ -oryzanol. <i>Nutrients</i> , 2019, 11, 104.	4.1	16
107	Revealing the thermal oxidation stability and its mechanism of rice bran oil. <i>Scientific Reports</i> , 2020, 10, 14091.	3.3	16
108	Ethanolamine Plasmalogen Suppresses Apoptosis in Human Intestinal Tract Cells <i>in Vitro</i> by Attenuating Induced Inflammatory Stress. <i>ACS Omega</i> , 2021, 6, 3140-3148.	3.5	16

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109	Determination of pyrroloquinoline quinone by enzymatic and LC-MS/MS methods to clarify its levels in foods. <i>PLoS ONE</i> , 2018, 13, e0209700.	2.5	15
110	The differential cellular uptake of curcuminoids in vitro depends dominantly on albumin interaction. <i>Phytomedicine</i> , 2019, 59, 152902.	5.3	15
111	Oxytocin Ameliorates Impaired Behaviors of High Fat Diet-Induced Obese Mice. <i>Frontiers in Endocrinology</i> , 2020, 11, 379.	3.5	15
112	Structural Analysis of Lipid Hydroperoxides Using Mass Spectrometry with Alkali Metals. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2399-2409.	2.8	15
113	Toddaculin, Isolated from <i>Toddalia asiatica</i> (L.) Lam., Inhibited Osteoclastogenesis in RAW 264 Cells and Enhanced Osteoblastogenesis in MC3T3-E1 Cells. <i>PLoS ONE</i> , 2015, 10, e0127158.	2.5	15
114	Angiogenic Potency of Amadori-Glycated Phosphatidylethanolamine. <i>Annals of the New York Academy of Sciences</i> , 2005, 1043, 413-416.	3.8	14
115	Analysis of Amadori-Glycated Phosphatidylethanolamine in the Plasma of Healthy Subjects and Diabetic Patients by Liquid Chromatography-Tandem Mass Spectrometry. <i>Annals of the New York Academy of Sciences</i> , 2008, 1126, 291-294.	3.8	14
116	A novel chiral stationary phase HPLC-MS/MS method to discriminate between enzymatic oxidation and auto-oxidation of phosphatidylcholine. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7785-7793.	3.7	14
117	Plasma Phosphatidylethanolamine and Triacylglycerol Fatty Acid Concentrations are Altered in Major Depressive Disorder Patients with Seasonal Pattern. <i>Lipids</i> , 2017, 52, 559-571.	1.7	14
118	$\gamma$ and $\delta$ tocotrienols suppress human hepatocellular carcinoma cell proliferation via regulation of Ras-Raf-MEK-ERK pathway-associated upstream signaling. <i>Food and Function</i> , 2016, 7, 4170-4174.	4.6	13
119	Investigation of tocotrienol biosynthesis in rice ( <i>Oryza sativa</i> L.). <i>Food Chemistry</i> , 2013, 140, 91-98.	8.2	12
120	Isolation and structural elucidation of unique $\delta$ -oryzanol species in rice bran oil. <i>Food Chemistry</i> , 2021, 337, 127956.	8.2	12
121	Determination of acrolein generation pathways from linoleic acid and linolenic acid: increment by photo irradiation. <i>Npj Science of Food</i> , 2022, 6, 21.	5.5	12
122	$\alpha$ -Tocopherol suppresses antiangiogenic effect of $\gamma$ -tocotrienol in human umbilical vein endothelial cells. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 345-350.	4.2	11
123	Evaluation of the Mechanisms of Mayonnaise Phospholipid Oxidation. <i>Journal of Oleo Science</i> , 2017, 66, 369-374.	1.4	11
124	Evaluation of squalene oxidation mechanisms in human skin surface lipids and shark liver oil supplements. <i>Annals of the New York Academy of Sciences</i> , 2019, 1457, 158-165.	3.8	11
125	Structural changes of ethanolamine plasmalogen during intestinal absorption. <i>Food and Function</i> , 2020, 11, 8068-8076.	4.6	11
126	Total Synthesis of the Broad-Spectrum Antibiotic Amycolamicin. <i>Journal of the American Chemical Society</i> , 2022, 144, 5253-5257.	13.7	11



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127	Anthocyanin Administration Elevates Plasma Homocysteine in Rats. <i>Journal of Nutritional Science and Vitaminology</i> , 2002, 48, 530-535.	0.6	10
128	Phosphatidylcholine hydroperoxide promotes VEGF-induced angiogenesis in endothelial cells and rat aorta ring cultures. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2011, 1810, 1205-1211.	2.4	10
129	High purity tocotrienols attenuate atherosclerotic lesion formation in apoE-KO mice. <i>Journal of Nutritional Biochemistry</i> , 2017, 48, 44-50.	4.2	10
130	Kinetic study of the quenching reaction of singlet oxygen by seven rice bran extracts in ethanol solution. Development of a singlet oxygen absorption capacity (SOAC) assay method. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 2063-2072.	1.3	9
131	Definitive evidence of the presence of 24-methylenecycloartanyl ferulate and 24-methylenecycloartanyl caffeate in barley. <i>Scientific Reports</i> , 2019, 9, 12572.	3.3	9
132	Supplementation of <i>Bacillus amyloliquefaciens</i> AS385 culture broth powder containing 1-deoxynojirimycin in a high-fat diet altered the gene expressions related to lipid metabolism and insulin signaling in mice epididymal white adipose tissue. <i>Food and Function</i> , 2020, 11, 3926-3940.	4.6	9
133	Absorption Kinetics of Ethanolamine Plasmalogen and Its Hydrolysate in Mice. <i>Journal of Oleo Science</i> , 2021, 70, 263-273.	1.4	9
134	A comprehensive review on the production, pharmacokinetics and health benefits of mulberry leaf iminosugars: Main focus on 1-deoxynojirimycin, d-fagomine, and 2-O-É-d-galactopyranosyl-DNJ. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 3468-3496.	10.3	9
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