

# Taiki Miyazawa

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,015  
citations

516710

16  
h-index

434195

31  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1460  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vitamin E: Regulatory Redox Interactions. IUBMB Life, 2019, 71, 430-441.	3.4	162
2	Synthetic “smart gel” provides glucose-responsive insulin delivery in diabetic mice. Science Advances, 2017, 3, eaaq0723.	10.3	118
3	Antioxidant effect of astaxanthin on phospholipid peroxidation in human erythrocytes. British Journal of Nutrition, 2011, 105, 1563-1571.	2.3	106
4	A Critical Review of the Use of Surfactant-Coated Nanoparticles in Nanomedicine and Food Nanotechnology. International Journal of Nanomedicine, 2021, Volume 16, 3937-3999.	6.7	77
5	Heterocyclic boronic acids display sialic acid selective binding in a hypoxic tumor relevant acidic environment. Chemical Science, 2017, 8, 6165-6170.	7.4	48
6	Tocotrienol Distribution in Foods: Estimation of Daily Tocotrienol Intake of Japanese Population. Journal of Agricultural and Food Chemistry, 2010, 58, 3350-3355.	5.2	45
7	Amyloid $\beta$ -induced erythrocytic damage and its attenuation by carotenoids. FEBS Letters, 2011, 585, 1249-1254.	2.8	42
8	The combination of maternal and offspring high-fat diets causes marked oxidative stress and development of metabolic syndrome in mouse offspring. Life Sciences, 2016, 151, 70-75.	4.3	35
9	C-type lectin Mincle mediates cell death “triggered” inflammation in acute kidney injury. Journal of Experimental Medicine, 2020, 217, .	8.5	35
10	Plasma Carotenoid Concentrations before and after Supplementation with Astaxanthin in Middle-Aged and Senior Subjects. Bioscience, Biotechnology and Biochemistry, 2011, 75, 1856-1858.	1.3	33
11	Curcumin and piperine supplementation of obese mice under caloric restriction modulates body fat and interleukin-1 $\beta$ . Nutrition and Metabolism, 2018, 15, 12.	3.0	33
12	Amyloid $\beta$ Induces Adhesion of Erythrocytes to Endothelial Cells and Affects Endothelial Viability and Functionality. Bioscience, Biotechnology and Biochemistry, 2011, 75, 2030-2033.	1.3	26
13	Ingestion of Chlorella Reduced the Oxidation of Erythrocyte Membrane Lipids in Senior Japanese Subjects. Journal of Oleo Science, 2013, 62, 873-881.	1.4	26
14	Chlorella is an Effective Dietary Source of Lutein for Human Erythrocytes. Journal of Oleo Science, 2013, 62, 773-779.	1.4	25
15	Metabolic fate of poly-(lactic-co-glycolic acid)-based curcumin nanoparticles following oral administration. International Journal of Nanomedicine, 2016, Volume 11, 3009-3022.	6.7	23
16	Effects of Dietary Food Components on Cognitive Functions in Older Adults. Nutrients, 2021, 13, 2804.	4.1	21
17	Carbon tetrachloride-induced hepatic and renal damages in rat: inhibitory effects of cacao polyphenol. Bioscience, Biotechnology and Biochemistry, 2015, 79, 1669-1675.	1.3	20
18	Structural Control of Boronic Acid Ligands Enhances Intratumoral Targeting of Sialic Acid To Eradicate Cancer Stem-like Cells. ACS Applied Bio Materials, 2020, 3, 5030-5039.	4.6	18

#	ARTICLE	IF	CITATIONS
19	The differential cellular uptake of curcuminoids in vitro depends dominantly on albumin interaction. <i>Phytomedicine</i> , 2019, 59, 152902.	5.3	15
20	Boronic Acid Ligands Can Target Multiple Subpopulations of Pancreatic Cancer Stem Cells via pH-Dependent Glycan-Terminal Sialic Acid Recognition. <i>ACS Applied Bio Materials</i> , 2021, 4, 6647-6651.	4.6	13
21	Hollow fiber-combined glucose-responsive gel technology as an in vivo electronics-free insulin delivery system. <i>Communications Biology</i> , 2020, 3, 313.	4.4	12
22	Oxidative Stress during Development of Alcoholic Fatty Liver: Therapeutic Potential of Cacao Polyphenol. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 1792-1794.	1.3	10
23	Erythrocytes Carotenoids after Astaxanthin Supplementation in Middle-Aged and Senior Japanese Subjects. <i>Journal of Oleo Science</i> , 2011, 60, 495-499.	1.4	9
24	Biological Functions of Antioxidant Dipeptides. <i>Journal of Nutritional Science and Vitaminology</i> , 2022, 68, 162-171.	0.6	9
25	Distribution of $\beta$ -carotene-encapsulated polysorbate 80-coated poly(D, L-lactide-co-glycolide) nanoparticles in rodent tissues following intravenous administration. <i>International Journal of Nanomedicine</i> , 2015, 10, 7223.	6.7	8
26	Amadori-glycated phosphatidylethanolamine enhances the physical stability and selective targeting ability of liposomes. <i>Royal Society Open Science</i> , 2018, 5, 171249.	2.4	8
27	Determination of cellular vitamin C dynamics by HPLC-DAD. <i>Analyst, The</i> , 2019, 144, 3483-3487.	3.5	8
28	Young Persimmon Ingestion Suppresses Lipid Oxidation in Rats. <i>Journal of Nutritional Science and Vitaminology</i> , 2015, 61, 90-95.	0.6	6
29	The inhibition of interaction with serum albumin enhances the physiological activity of curcumin by increasing its cellular uptake. <i>Food and Function</i> , 2022, 13, 639-648.	4.6	5
30	Determination of intracellular ascorbic acid using tandem mass spectrometry. <i>Analyst, The</i> , 2022, 147, 2640-2643.	3.5	4
31	One-pot Synthesis of Manganese Oxide Nanoparticles from Microemulsion Systems. <i>Chemistry Letters</i> , 2011, 40, 1262-1263.	1.3	3
32	Removal of chlorophyll and pheophorbide from <i>Chlorella pyrenoidosa</i> by supercritical fluid extraction: potential of protein resource. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 1759-1762.	1.3	2
33	A challenge for preventing senile dementia with marine plasmalogen. <i>Sessile Organisms</i> , 2010, 27, 85-87.	0.2	0
34	Chapter 12. Liquid Chromatography-based Assay for Carotenoids in Human Blood. <i>Food and Nutritional Components in Focus</i> , 2012, , 184-203.	0.1	0
35	Polysorbate 80 coated $\beta$ -carotene (encapsulated polymeric) nanoparticles accumulate in rat lungs after intravenous injection. <i>FASEB Journal</i> , 2015, 29, 604.8.	0.5	0
36	Quantification of Bisacurone and Curcuminoids in Turmeric Products by Liquid Chromatography Coupled with Tandem Mass Spectrometry. <i>Journal of Nutritional Science and Vitaminology</i> , 2022, 68, 137-139.	0.6	0