

Mitsuru Tanaka

List of Publications by Year in descending order

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56
papers

1,056
citations

394421

19
h-index

454955

30
g-index

57
all docs

57
docs citations

57
times ranked

993
citing authors

#	ARTICLE	IF	CITATIONS
1	Theaflavins enhance intestinal barrier of Caco-2 Cell monolayers through the expression of AMP-activated protein kinase-mediated Occludin, Claudin-1, and ZO-1. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 130-137.	1.3	92
2	Vasodilating dipeptide Trp-His can prevent atherosclerosis in apo E-deficient mice. <i>British Journal of Nutrition</i> , 2010, 103, 309-313.	2.3	49
3	In Vitro and ex Vivo Uptake of Glutathione (GSH) across the Intestinal Epithelium and Fate of Oral GSH after in Vivo Supplementation. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 9499-9506.	5.2	46
4	Endothelium-independent vasodilation effect of di- and tri-peptides in thoracic aorta of Spragueâ€Dawley rats. <i>Life Sciences</i> , 2008, 82, 869-875.	4.3	44
5	Brain-transportable dipeptides across the blood-brain barrier in mice. <i>Scientific Reports</i> , 2019, 9, 5769.	3.3	44
6	Antiproliferative Action of an Angiotensin I-Converting Enzyme Inhibitory Peptide, Val-Tyr, via an L-Type Ca ²⁺ Channel Inhibition in Cultured Vascular Smooth Muscle Cells. <i>Hypertension Research</i> , 2005, 28, 545-552.	2.7	41
7	Trp-His, a vasorelaxant di-peptide, can inhibit extracellular Ca ²⁺ entry to rat vascular smooth muscle cells through blockade of dihydropyridine-like l-type Ca ²⁺ channels. <i>Peptides</i> , 2010, 31, 2060-2066.	2.4	40
8	Application of ¹³ C stable isotope labeling liquid chromatographyâ€multiple reaction monitoringâ€tandem mass spectrometry method for determining intact absorption of bioactive dipeptides in rats. <i>Analytical Biochemistry</i> , 2011, 414, 109-116.	2.4	40
9	Visualized absorption of antiâ€atherosclerotic dipeptide, Trpâ€His, in Spragueâ€Dawley rats by LCâ€MS and MALDIâ€MS imaging analyses. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1541-1549.	3.3	38
10	Endothelium-dependent vasorelaxation effect of rutin-free tartary buckwheat extract in isolated rat thoracic aorta. <i>Journal of Nutritional Biochemistry</i> , 2008, 19, 700-707.	4.2	37
11	Structural Design of Oligopeptides for Intestinal Transport Model. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2072-2079.	5.2	36
12	Enhanced Visualization of Small Peptides Absorbed in Rat Small Intestine by Phytic-Acid-Aided Matrix-Assisted Laser Desorption/Ionization-Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 10033-10039.	6.5	34
13	Soybean-Derived Glycineâ€Arginine Dipeptide Administration Promotes Neurotrophic Factor Expression in the Mouse Brain. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 7935-7941.	5.2	33
14	Highly-Sensitive Detection of Free Advanced Glycation End-Products by Liquid Chromatography-Electrospray Ionization-Tandem Mass Spectrometry with 2,4,6-Trinitrobenzene Sulfonate Derivatization. <i>Analytical Chemistry</i> , 2013, 85, 4289-4295.	6.5	32
15	Ferulic acid enhances the vasorelaxant effect of epigallocatechin gallate in tumor necrosis factor-alpha-induced inflammatory rat aorta. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 807-814.	4.2	31
16	Vasodilating Effect of Di-Peptides in Thoracic Aortas from Spontaneously Hypertensive Rats. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 2292-2295.	1.3	26
17	His-Arg-Trp potently attenuates contracted tension of thoracic aorta of Sprague-Dawley rats through the suppression of extracellular Ca ²⁺ influx. <i>Peptides</i> , 2009, 30, 1502-1507.	2.4	26
18	Brain-transportable soy dipeptide, Tyr-Pro, attenuates amyloid Î² peptide ₂₅₋₃₅ -induced memory impairment in mice. <i>Npj Science of Food</i> , 2020, 4, 7.	5.5	24

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19	Novel in situ visualisation of rat intestinal absorption of polyphenols via matrix-assisted laser desorption/ionisation mass spectrometry imaging. <i>Scientific Reports</i> , 2019, 9, 3166.	3.3	20
20	The anti-atherosclerotic dipeptide, Trp-His, inhibits the phosphorylation of voltage-dependent L-type Ca ²⁺ channels in rat vascular smooth muscle cells. <i>FEBS Open Bio</i> , 2012, 2, 83-88.	2.3	18
21	Attenuation of L-Type Ca ²⁺ Channel Expression and Vasomotor Response in the Aorta with Age in Both Wistar-Kyoto and Spontaneously Hypertensive Rats. <i>PLoS ONE</i> , 2014, 9, e88975.	2.5	18
22	Effect of Aging on the Absorption of Small Peptides in Spontaneously Hypertensive Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 5935-5943.	5.2	17
23	Matrix-assisted laser desorption/ionization mass spectrometry-guided visualization analysis of intestinal absorption of acylated anthocyanins in Sprague-Dawley rats. <i>Food Chemistry</i> , 2021, 334, 127586.	8.2	17
24	Orally administrated dipeptide Ser-Tyr efficiently stimulates noradrenergic turnover in the mouse brain. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 1542-1547.	1.3	16
25	Augmentation of ferulic acid-induced vasorelaxation with aging and its structure importance in thoracic aorta of spontaneously hypertensive rats. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015, 388, 1113-1117.	3.0	16
26	Quantitative mass spectrometric analysis of dipeptides in protein hydrolysate by a TNBS derivatization-aided standard addition method. <i>Food Chemistry</i> , 2016, 190, 345-350.	8.2	16
27	Determination of Antihypertensive Small Peptides, Val-Tyr and Ile-Val-Tyr, by Fluorometric High-Performance Liquid Chromatography Combined with a Double Heart-Cut Column-Switching Technique. <i>Analytical Sciences</i> , 2005, 21, 997-1000.	1.6	13
28	Improved Detection of Di-peptides by Liquid Chromatography-Tandem Mass Spectrometry with 2,4,6-Trinitrobenzene Sulfonate Conversion. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 2094-2099.	1.3	13
29	Ferulic acid enhances nitric oxide production through up-regulation of argininosuccinate synthase in inflammatory human endothelial cells. <i>Life Sciences</i> , 2016, 145, 224-232.	4.3	13
30	Inhibition of calcium-calmodulin complex formation by vasorelaxant basic dipeptides demonstrated by in vitro and in silico analyses. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 3073-3078.	2.4	12
31	An extract from pork bones containing osteocalcin improves glucose metabolism in mice by oral administration. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 2176-2183.	1.3	12
32	Identification of peptides from soybean protein, glycinin, possessing suppression of intracellular Ca ²⁺ concentration in vascular smooth muscle cells. <i>Food Chemistry</i> , 2014, 152, 218-224.	8.2	11
33	Current Knowledge on Intestinal Absorption of Anthocyanins. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 2501-2509.	5.2	11
34	The Dipeptides Ile-Tyr and Ser-Tyr Exert Distinct Effects on Catecholamine Metabolism in the Mouse Brainstem. <i>International Journal of Peptides</i> , 2016, 2016, 1-5.	0.7	10
35	Identification of peptides in blood following oral administration of β -conglycinin to Wistar rats. <i>Food Chemistry</i> , 2021, 341, 128197.	8.2	9
36	Accumulation of Plasma-Derived Lipids in the Lipid Core and Necrotic Core of Human Atheroma: Imaging Mass Spectrometry and Histopathological Analyses. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, e498-e511.	2.4	9

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37	Laser Desorption Ionization-Mass Spectrometry with Graphite Carbon Black Nanoparticles for Simultaneous Detection of Taste- and Odor-Active Compounds. <i>ACS Applied Nano Materials</i> , 2022, 5, 2187-2194.	5.0	9
38	Epigallocatechin Gallate Promotes the Vasorelaxation Power of the Antiatherosclerotic Dipeptide Trp-His in Contracted Rat Aorta. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 9048-9054.	5.2	8
39	In vitro and in silico characterization of adiponectin-receptor agonist dipeptides. <i>Npj Science of Food</i> , 2021, 5, 29.	5.5	8
40	Identification of peptides in wheat germ hydrolysate that demonstrate calmodulin-dependent protein kinase II inhibitory activity. <i>Food Chemistry</i> , 2016, 213, 329-335.	8.2	7
41	The photobase generator nifedipine as a novel matrix for the detection of polyphenols in matrix-assisted laser desorption/ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2016, 51, 938-946.	1.6	7
42	A trip of peptides to the brain. <i>Food Production Processing and Nutrition</i> , 2020, 2, .	3.5	7
43	Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging of Tissues via the Formation of Reproducible Matrix Crystals by the Fluorescence-Assisted Spraying Method: A Quantification Approach. <i>Analytical Chemistry</i> , 2022, 94, 1990-1998.	6.5	7
44	Effect of the Uncharged Imidazolium Moiety in Adenine on Endothelium-Independent Relaxation in the Contracted Thoracic Aorta of Sprague-Dawley Rats. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 828-830.	1.3	6
45	Oral intake of rice overexpressing ubiquitin ligase inhibitory pentapeptide prevents atrophy in denervated skeletal muscle. <i>Npj Science of Food</i> , 2021, 5, 25.	5.5	6
46	Adenine attenuates the Ca ²⁺ contraction-signaling pathway via adenine receptor-mediated signaling in rat vascular smooth muscle cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2016, 389, 999-1007.	3.0	4
47	Identification of characteristic compounds of moderate volatility in breast cancer cell lines. <i>PLoS ONE</i> , 2020, 15, e0235442.	2.5	4
48	Novel Approach for Simultaneous Analysis of Peptide Metabolites from Orally Administered Glycinin in Rat Bloodstream by Coumarin-Tagged MALDI-MS. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 14840-14848.	5.2	4
49	Visualization of Tocopherol Acetate Absorbed Inside Laminated Films by a Matrix-assisted Laser Desorption/Ionization-imaging Mass Spectrometry. <i>Food Science and Technology Research</i> , 2015, 21, 821-826.	0.6	3
50	Paracellular Transport of Sulforaphane across Caco-2 Cell Monolayers. <i>Food Science and Technology Research</i> , 2016, 22, 127-134.	0.6	3
51	Detection and Visualization of Food-derived Polyphenols by Matrix-assisted Laser Desorption/Ionization Mass Spectrometry Imaging. <i>Sensors and Materials</i> , 2019, 31, 2333.	0.5	2
52	Methodologies for investigating the vasorelaxation action of peptides. , 2021, , 255-274.		1
53	Vascular Regulation by Small Peptides. , 2011, , 201-221.		0
54	Analytical Evaluation of Bioactive Small Peptides on Their Intestinal Absorption and Bioavailability. <i>Bunseki Kagaku</i> , 2017, 66, 677-685.	0.2	0

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55	Study on the Physiological Benefits of Food Compounds on Vascular Health and Their Underlying Mechanisms. <i>Journal of the Japanese Society for Food Science and Technology</i> , 2017, 64, 285-293.	0.1	0
56	Characteristics of electrospray-ionization detection of synthetic di- to penta-oligopeptides by amine derivatizations. <i>Analytical Sciences</i> , 2021, 37, 1629-1632.	1.6	0