Hirofumi Enomoto

List of Publications by Citations

39 papers	685 citations	17 h-index	25 g-index
41 ext. papers	817 ext. citations	4 avg, IF	4.22 L-index

#	Paper	IF	Citations
39	Improvement of functional properties of whey protein isolate through glycation and phosphorylation by dry heating. *Journal of Dairy Science*, **2005**, 88, 4137-45	4	62
38	Visualization of anthocyanin species in rabbiteye blueberry Vaccinium ashei by matrix-assisted laser desorption/ionization imaging mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2012**, 403, 1885-95	4.4	60
37	Imaging mass spectrometry-based histopathologic examination of atherosclerotic lesions. *Atherosclerosis*, **2011**, 217, 427-32	3.1	59
36	Distribution Analysis of Anthocyanins, Sugars, and Organic Acids in Strawberry Fruits Using Matrix-Assisted Laser Desorption/Ionization-Imaging Mass Spectrometry. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 4958-4965	5.7	44
35	Glycation and phosphorylation of beta-lactoglobulin by dry-heating: effect on protein structure and some properties. *Journal of Agricultural and Food Chemistry*, **2007**, 55, 2392-8	5.7	44
34	Glycation and phosphorylation of alpha-lactalbumin by dry heating: effect on protein structure and physiological functions. *Journal of Dairy Science*, **2009**, 92, 3057-68	4	41
33	Recent advances in phosphorylation of food proteins: A review. *LWT - Food Science and Technology*, **2010**, 43, 1295-1300	5.4	37
32	Authenticity assessment of beef origin by principal component analysis of matrix-assisted laser desorption/ionization mass spectrometric data. *Analytical and Bioanalytical Chemistry*, **2011**, 400, 1865-71	4.4	29
31	Visualization of phosphatidylcholine, lysophosphatidylcholine and sphingomyelin in mouse tongue body by matrix-assisted laser desorption/ionization imaging mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2011**, 400, 1913-21	4.4	29
30	Visualisation of abscisic acid and 12-oxo-phytodienoic acid in immature Phaseolus vulgaris L. seeds using desorption electrospray ionisation-imaging mass spectrometry. *Scientific Reports*, **2017**, 7, 42977	4.9	27
29	Distribution of Flavan-3-ol Species in Ripe Strawberry Fruit Revealed by Matrix-Assisted Laser Desorption/Ionization-Mass Spectrometry Imaging. *Molecules*, **2019**, 25,	4.8	26
28	Improvement of functional properties of whey soy protein phosphorylated by dry-heating in the presence of pyrophosphate. *LWT - Food Science and Technology*, **2010**, 43, 919-925	5.4	26
27	Phosphorylation of proteins by dry-heating in the presence of pyrophosphate and some characteristics of introduced phosphate groups. *Food Chemistry*, **2009**, 114, 1036-1041	8.5	26
26	Derivatization for detection of abscisic acid and 12-oxo-phytodienoic acid using matrix-assisted laser desorption/ionization imaging mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2018**, 32, 1565-1572	2.2	18
25	Phosphorylation of ovalbumin by dry-heating in the presence of pyrophosphate: Effect of carbohydrate chain on the phosphorylation level and heat stability. *Food Chemistry*, **2010**, 122, 526-532	8.5	18
24	Improvement of foaming property of egg white protein by phosphorylation through dry-heating in the presence of pyrophosphate. *Journal of Food Science*, **2009**, 74, C68-72	3.4	17
23	Improvement of functional properties of bovine serum albumin through phosphorylation by dry-heating in the presence of pyrophosphate. *Journal of Food Science*, **2008**, 73, C84-91	3.4	17

22	Improvement of Functional Properties of Egg White Protein through Glycation and Phosphorylation by Dry-heating. *Asian-Australasian Journal of Animal Sciences*, **2009**, 22, 591-597	2.4	15
21	Tissue-Specific Distribution of Sphingomyelin Species in Pork Chop Revealed by Matrix-Assisted Laser Desorption/Ionization-Imaging Mass Spectrometry. *Journal of Food Science*, **2019**, 84, 1758-1763	3.4	11
20	Fruit setting rewires central metabolism via gibberellin cascades. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 23970-23981	11.5	11
19	Unique Distribution of Diacyl-, Alkylacyl-, and Alkenylacyl-Phosphatidylcholine Species Visualized in Pork Chop Tissues by Matrix-Assisted Laser Desorption/Ionization-Mass Spectrometry Imaging. *Foods*, **2020**, 9,	4.9	10
18	Novel Blotting Method for Mass Spectrometry Imaging of Metabolites in Strawberry Fruit by Desorption/Ionization Using Through Hole Alumina Membrane. *Foods*, **2020**, 9,	4.9	8
17	Localization of Flavan-3-ol Species in Peanut Testa by Mass Spectrometry Imaging. *Molecules*, **2020**, 25,	4.8	8
16	Improvement of Functional Properties of Ovotransferrin by Phosphorylation through Dry-heating in the Presence of Pyrophosphate. *Asian-Australasian Journal of Animal Sciences*, **2008**, 21, 596-602	2.4	8
15	Characteristics and enhanced antioxidant activity of egg white protein selenized by dry-heating in the presence of selenite. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 3131-9	5.7	6
14	Mass Spectrometry Imaging of Flavonols and Ellagic Acid Glycosides in Ripe Strawberry Fruit. *Molecules*, **2020**, 25,	4.8	4
13	Investigation of the Chemical Composition and Functional Proteins of Chicken Gizzard Inner Lining. *Food Science and Technology Research*, **2018**, 24, 893-901	0.8	4
12	Adhesive film applications help to prepare strawberry fruit sections for desorption electrospray ionization-mass spectrometry imaging. *Bioscience, Biotechnology and Biochemistry*, **2021**, 85, 1341-1347	2.1	4
11	Unique localization of jasmonic acid-related compounds in developing Phaseolus vulgaris L. (common bean) seeds revealed through desorption electrospray ionization-mass spectrometry imaging. *Phytochemistry*, **2021**, 188, 112812	4	4
10	Similar distribution of orally administered eicosapentaenoic acid and M2 macrophage marker in the hypoperfusion-induced abdominal aortic aneurysm wall. *Food and Function*, **2021**, 12, 3469-3475	6.1	3
9	Direct LC-ESI-MS/MS analysis of plant glucosylceramide and ceramide species with 8E and 8Z isomers of the long chain base. *Bioscience, Biotechnology and Biochemistry*, **2021**, 85, 205-210	2.1	2
8	Isolation, Evaluation, and Identification of Angiotensin I-Converting Enzyme Inhibitory Peptides from Game Meat. *Foods*, **2020**, 9,	4.9	2
7	Spatial Analysis of Phosphatidylinositol Molecular Species in Pork Chop Tissues Using Matrix-assisted Laser Desorption/ionization-Mass Spectrometry Imaging. *Journal of Oleo Science*, **2021**, 70, 979-987	1.6	2
6	Functionality of liquid smoke as an antimicrobial in cooked meat products: liquid smoke suppresses spoilage-related lactic acid bacteria. *Food Science and Technology Research*, **2021**, 27, 759-768	0.8	1
5	Production, Analysis and in Vivo Antihypertensive Evaluation of Novel Angiotensin-I-converting Enzyme Inhibitory Peptides from Porcine Brain. *Food Science and Technology Research*, **2018**, 24, 541-550	0.8	1

4	Unique distribution of ellagitannins in ripe strawberry fruit revealed by mass spectrometry imaging. *Current Research in Food Science*, **2021**, 4, 821-828	5.6	0
3	Mass spectrometry imaging of diacyl-, alkylacyl-, and plasmalogen-phosphatidylethanolamines in pork chop tissues. *Journal of Food Measurement and Characterization*, **2021**, 15, 5047	2.8	0
2	Effects of whey protein hydrolysate on growth promotion and immunomodulation in mouse pups in artificial rearing system. *Animal Science Journal*, **2020**, 91, e13395	1.8	
1	The application of mass spectrometry imaging for metabolite analysis in agricultural products. *Mycotoxins*, **2020**, 70, 75-82	0.2	