

Hirofumi Enomoto

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Unique distribution of ellagitannins in ripe strawberry fruit revealed by mass spectrometry imaging. <i>Current Research in Food Science</i> , 2021 , 4, 821-828	5.6	0
38	Functionality of liquid smoke as an antimicrobial in cooked meat products: liquid smoke suppresses spoilage-related lactic acid bacteria. <i>Food Science and Technology Research</i> , 2021 , 27, 759-768	0.8	1
37	Direct LC-ESI-MS/MS analysis of plant glucosylceramide and ceramide species with 8E and 8Z isomers of the long chain base. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021 , 85, 205-210	2.1	2
36	Adhesive film applications help to prepare strawberry fruit sections for desorption electrospray ionization-mass spectrometry imaging. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021 , 85, 1341-1347	2.1	4
35	Mass spectrometry imaging of diacyl-, alkylacyl-, and plasmalogen-phosphatidylethanolamines in pork chop tissues. <i>Journal of Food Measurement and Characterization</i> , 2021 , 15, 5047	2.8	0
34	Spatial Analysis of Phosphatidylinositol Molecular Species in Pork Chop Tissues Using Matrix-assisted Laser Desorption/Ionization-Mass Spectrometry Imaging. <i>Journal of Oleo Science</i> , 2021 , 70, 979-987	1.6	2
33	Unique localization of jasmonic acid-related compounds in developing <i>Phaseolus vulgaris</i> L. (common bean) seeds revealed through desorption electrospray ionization-mass spectrometry imaging. <i>Phytochemistry</i> , 2021 , 188, 112812	4	4
32	Similar distribution of orally administered eicosapentaenoic acid and M2 macrophage marker in the hypoperfusion-induced abdominal aortic aneurysm wall. <i>Food and Function</i> , 2021 , 12, 3469-3475	6.1	3
31	Mass Spectrometry Imaging of Flavonols and Ellagic Acid Glycosides in Ripe Strawberry Fruit. <i>Molecules</i> , 2020 , 25,	4.8	4
30	Effects of whey protein hydrolysate on growth promotion and immunomodulation in mouse pups in artificial rearing system. <i>Animal Science Journal</i> , 2020 , 91, e13395	1.8	
29	Unique Distribution of Diacyl-, Alkylacyl-, and Alkenylacyl-Phosphatidylcholine Species Visualized in Pork Chop Tissues by Matrix-Assisted Laser Desorption/Ionization-Mass Spectrometry Imaging. <i>Foods</i> , 2020 , 9,	4.9	10
28	Novel Blotting Method for Mass Spectrometry Imaging of Metabolites in Strawberry Fruit by Desorption/Ionization Using Through Hole Alumina Membrane. <i>Foods</i> , 2020 , 9,	4.9	8
27	The application of mass spectrometry imaging for metabolite analysis in agricultural products. <i>Mycotoxins</i> , 2020 , 70, 75-82	0.2	
26	Localization of Flavan-3-ol Species in Peanut Testa by Mass Spectrometry Imaging. <i>Molecules</i> , 2020 , 25,	4.8	8
25	Fruit setting rewires central metabolism via gibberellin cascades. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 23970-23981	11.5	11
24	Isolation, Evaluation, and Identification of Angiotensin I-Converting Enzyme Inhibitory Peptides from Game Meat. <i>Foods</i> , 2020 , 9,	4.9	2
23	Tissue-Specific Distribution of Sphingomyelin Species in Pork Chop Revealed by Matrix-Assisted Laser Desorption/Ionization-Imaging Mass Spectrometry. <i>Journal of Food Science</i> , 2019 , 84, 1758-1763	3.4	11

22	Distribution of Flavan-3-ol Species in Ripe Strawberry Fruit Revealed by Matrix-Assisted Laser Desorption/Ionization-Mass Spectrometry Imaging. <i>Molecules</i> , 2019 , 25,	4.8	26
21	Distribution Analysis of Anthocyanins, Sugars, and Organic Acids in Strawberry Fruits Using Matrix-Assisted Laser Desorption/Ionization-Imaging Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 4958-4965	5.7	44
20	Derivatization for detection of abscisic acid and 12-oxo-phytodienoic acid using matrix-assisted laser desorption/ionization imaging mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2018 , 32, 1565-1572	2.2	18
19	Investigation of the Chemical Composition and Functional Proteins of Chicken Gizzard Inner Lining. <i>Food Science and Technology Research</i> , 2018 , 24, 893-901	0.8	4
18	Production, Analysis and in Vivo Antihypertensive Evaluation of Novel Angiotensin-I-converting Enzyme Inhibitory Peptides from Porcine Brain. <i>Food Science and Technology Research</i> , 2018 , 24, 541-550	0.8	1
17	Visualisation of abscisic acid and 12-oxo-phytodienoic acid in immature <i>Phaseolus vulgaris</i> L. seeds using desorption electrospray ionisation-imaging mass spectrometry. <i>Scientific Reports</i> , 2017 , 7, 42977	4.9	27
16	Characteristics and enhanced antioxidant activity of egg white protein selenized by dry-heating in the presence of selenite. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 3131-9	5.7	6
15	Visualization of anthocyanin species in rabbiteye blueberry <i>Vaccinium ashei</i> by matrix-assisted laser desorption/ionization imaging mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 1885-95	4.4	60
14	Imaging mass spectrometry-based histopathologic examination of atherosclerotic lesions. <i>Atherosclerosis</i> , 2011 , 217, 427-32	3.1	59
13	Authenticity assessment of beef origin by principal component analysis of matrix-assisted laser desorption/ionization mass spectrometric data. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 1865-74	4.4	29
12	Visualization of phosphatidylcholine, lysophosphatidylcholine and sphingomyelin in mouse tongue body by matrix-assisted laser desorption/ionization imaging mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 1913-21	4.4	29
11	Improvement of functional properties of whey soy protein phosphorylated by dry-heating in the presence of pyrophosphate. <i>LWT - Food Science and Technology</i> , 2010 , 43, 919-925	5.4	26
10	Recent advances in phosphorylation of food proteins: A review. <i>LWT - Food Science and Technology</i> , 2010 , 43, 1295-1300	5.4	37
9	Phosphorylation of ovalbumin by dry-heating in the presence of pyrophosphate: Effect of carbohydrate chain on the phosphorylation level and heat stability. <i>Food Chemistry</i> , 2010 , 122, 526-532	8.5	18
8	Improvement of foaming property of egg white protein by phosphorylation through dry-heating in the presence of pyrophosphate. <i>Journal of Food Science</i> , 2009 , 74, C68-72	3.4	17
7	Phosphorylation of proteins by dry-heating in the presence of pyrophosphate and some characteristics of introduced phosphate groups. <i>Food Chemistry</i> , 2009 , 114, 1036-1041	8.5	26
6	Glycation and phosphorylation of alpha-lactalbumin by dry heating: effect on protein structure and physiological functions. <i>Journal of Dairy Science</i> , 2009 , 92, 3057-68	4	41
5	Improvement of Functional Properties of Egg White Protein through Glycation and Phosphorylation by Dry-heating. <i>Asian-Australasian Journal of Animal Sciences</i> , 2009 , 22, 591-597	2.4	15

4	Improvement of functional properties of bovine serum albumin through phosphorylation by dry-heating in the presence of pyrophosphate. <i>Journal of Food Science</i> , 2008 , 73, C84-91	3.4	17
3	Improvement of Functional Properties of Ovotransferrin by Phosphorylation through Dry-heating in the Presence of Pyrophosphate. <i>Asian-Australasian Journal of Animal Sciences</i> , 2008 , 21, 596-602	2.4	8
2	Glycation and phosphorylation of beta-lactoglobulin by dry-heating: effect on protein structure and some properties. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 2392-8	5.7	44
1	Improvement of functional properties of whey protein isolate through glycation and phosphorylation by dry heating. <i>Journal of Dairy Science</i> , 2005 , 88, 4137-45	4	62