

# Naoko Goto-Inoue

## List of Publications by Year in descending order

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36  
papers

1,207  
citations

430874

18  
h-index

377865

34  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging mass spectrometry for lipidomics. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 961-969.	2.4	143
2	Lipidomics analysis revealed the phospholipid compositional changes in muscle by chronic exercise and high-fat diet. <i>Scientific Reports</i> , 2013, 3, 3267.	3.3	77
3	The specific localization of seminolipid molecular species on mouse testis during testicular maturation revealed by imaging mass spectrometry. <i>Glycobiology</i> , 2009, 19, 950-957.	2.5	72
4	Organ-specific Distributions of Lysophosphatidylcholine and Triacylglycerol in Mouse Embryo. <i>Lipids</i> , 2009, 44, 837-848.	1.7	70
5	Hypoperfusion of the Adventitial Vasa Vasorum Develops an Abdominal Aortic Aneurysm. <i>PLoS ONE</i> , 2015, 10, e0134386.	2.5	70
6	Visualization of Spatial Distribution of $\beta$ -Aminobutyric Acid in Eggplant ( <i>Solanum melongena</i> ) by Matrix-assisted Laser Desorption/Ionization Imaging Mass Spectrometry. <i>Analytical Sciences</i> , 2010, 26, 821-825.	1.6	68
7	The detection of glycosphingolipids in brain tissue sections by imaging mass spectrometry using gold nanoparticles. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 1940-1943.	2.8	67
8	Adventitial Vasa Vasorum Arteriosclerosis in Abdominal Aortic Aneurysm. <i>PLoS ONE</i> , 2013, 8, e57398.	2.5	62
9	High-sensitivity analysis of glycosphingolipids by matrix-assisted laser desorption/ionization quadrupole ion trap time-of-flight imaging mass spectrometry on transfer membranes. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 870, 74-83.	2.3	59
10	A new lipidomics approach by thin-layer chromatography-blot-matrix-assisted laser desorption/ionization imaging mass spectrometry for analyzing detailed patterns of phospholipid molecular species. <i>Journal of Chromatography A</i> , 2009, 1216, 7096-7101.	3.7	56
11	Barrier Abnormality Due to Ceramide Deficiency Leads to Psoriasiform Inflammation in a Mouse Model. <i>Journal of Investigative Dermatology</i> , 2013, 133, 2555-2565.	0.7	56
12	Layer-specific sulfatide localization in rat hippocampus middle molecular layer is revealed by nanoparticle-assisted laser desorption/ionization imaging mass spectrometry. <i>Medical Molecular Morphology</i> , 2009, 42, 16-23.	1.0	54
13	PGC-1 $\alpha$ -mediated changes in phospholipid profiles of exercise-trained skeletal muscle. <i>Journal of Lipid Research</i> , 2015, 56, 2286-2296.	4.2	47
14	Visualization of dynamic change in contraction-induced lipid composition in mouse skeletal muscle by matrix-assisted laser desorption/ionization imaging mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1863-1871.	3.7	43
15	Application of Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging for Food Analysis. <i>Foods</i> , 2019, 8, 633.	4.3	32
16	Imaging Mass Spectrometry Visualizes Ceramides and the Pathogenesis of Dorfman-Chanarin Syndrome Due to Ceramide Metabolic Abnormality in the Skin. <i>PLoS ONE</i> , 2012, 7, e49519.	2.5	28
17	Imaging mass spectrometry reveals fiber-specific distribution of acetylcarnitine and contraction-induced carnitine dynamics in rat skeletal muscles. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1699-1706.	1.0	24
18	Arylsulfatase A deficiency causes seminolipid accumulation and a lysosomal storage disorder in Sertoli cells. <i>Journal of Lipid Research</i> , 2011, 52, 2187-2197.	4.2	23

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19	Characterization of myofiber-type-specific molecules using mass spectrometry imaging. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 185-192.	1.5	17
20	Evaluation of an <i>in vitro</i> muscle contraction model in mouse primary cultured myotubes. <i>Analytical Biochemistry</i> , 2016, 497, 36-38.	2.4	15
21	Imaging Mass Spectrometry of Glycolipids. <i>Methods in Enzymology</i> , 2010, 478, 287-301.	1.0	14
22	Metabolomic approach for identifying and visualizing molecular tissue markers in tadpoles of <i>Xenopus tropicalis</i> by mass spectrometry imaging. <i>Biology Open</i> , 2016, 5, 1252-1259.	1.2	14
23	Investigation of the Lipid Changes That Occur in Hypertrophic Muscle due to Fish Protein-feeding Using Mass Spectrometry Imaging. <i>Journal of Oleo Science</i> , 2019, 68, 141-148.	1.4	14
24	Immunohistochemical expression analysis of leucine-rich PPR-motif-containing protein (LRPPRC), a candidate colorectal cancer biomarker identified by shotgun proteomics using iTRAQ. <i>Clinica Chimica Acta</i> , 2017, 471, 276-282.	1.1	13
25	Characterization of Metabolite Compositions in Wild and Farmed Red Sea Bream ( <i>Pagrus major</i> ) Using Mass Spectrometry Imaging. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 7197-7203.	5.2	12
26	Visualization of biomolecules in the eyestalk of the blue swimming crab, <i>Portunus pelagicus</i> , by imaging mass spectrometry using the atmospheric-pressure mass microscope. <i>Surface and Interface Analysis</i> , 2010, 42, 1589-1592.	1.8	11
27	Utilizing mass spectrometry imaging to map the thyroid hormones triiodothyronine and thyroxine in <i>Xenopus tropicalis</i> tadpoles. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1333-1340.	3.7	11
28	Effect of treatment with conditioned media derived from C2C12 myotube on adipogenesis and lipolysis in 3T3-L1 adipocytes. <i>PLoS ONE</i> , 2020, 15, e0237095.	2.5	11
29	Imaging mass spectrometry reveals changes of metabolites distribution in mouse testis during testicular maturation. <i>Surface and Interface Analysis</i> , 2012, 44, 749-754.	1.8	9
30	Application of Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging for Evaluating the Quality of Fish Fillets. <i>Foods</i> , 2020, 9, 402.	4.3	4
31	Lipid Dynamics due to Muscle Atrophy Induced by Immobilization. <i>Journal of Oleo Science</i> , 2021, 70, 937-946.	1.4	4
32	Role of carnitine acetylation in skeletal muscle. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2014, 3, 163-168.	0.3	4
33	Mass spectrometry imaging reveals local metabolic changes in skeletal muscle due to chronic training. <i>Bioscience, Biotechnology and Biochemistry</i> , 2022, , .	1.3	2
34	Novel approach to enhance sensitivity while retaining morphology in fragile tissue sections for mass spectrometry imaging. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4670.	1.6	1
35	3P326 Application of Nanoparticles for Imaging Mass Spectrometry(Bioimaging,The 48th Annual) Tj ETQq1 1 0.784314 rgBT /Overlode	0.1	0
36	Visualization of metabolite change in skeletal muscle by contraction using imaging mass spectrometry. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2012, 1, 347-350.	0.3	0