

Yuki Sugiura

List of Publications by Year in descending order

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128
papers

7,030
citations

47006

47
h-index

64796

79
g-index

133
all docs

133
docs citations

133
times ranked

10116
citing authors

#	ARTICLE	IF	CITATIONS
1	A defined commensal consortium elicits CD8 T cells and anti-cancer immunity. <i>Nature</i> , 2019, 565, 600-605.	27.8	741
2	HIF-1 α -PDK1 axis-induced active glycolysis plays an essential role in macrophage migratory capacity. <i>Nature Communications</i> , 2016, 7, 11635.	12.8	233
3	Senolysis by glutaminolysis inhibition ameliorates various age-associated disorders. <i>Science</i> , 2021, 371, 265-270.	12.6	222
4	Characterization of the 17 strains of regulatory T cell-inducing human-derived Clostridia. <i>Gut Microbes</i> , 2014, 5, 333-339.	9.8	182
5	Visualization of the cell-selective distribution of PUFA-containing phosphatidylcholines in mouse brain by imaging mass spectrometry. <i>Journal of Lipid Research</i> , 2009, 50, 1776-1788.	4.2	180
6	MALDI-based imaging mass spectrometry revealed abnormal distribution of phospholipids in colon cancer liver metastasis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 855, 98-103.	2.3	168
7	Nanoparticle-Assisted Laser Desorption/Ionization Based Mass Imaging with Cellular Resolution. <i>Analytical Chemistry</i> , 2008, 80, 4761-4766.	6.5	164
8	Mass Imaging and Identification of Biomolecules with MALDI-QIT-TOF-Based System. <i>Analytical Chemistry</i> , 2008, 80, 878-885.	6.5	155
9	Haem-dependent dimerization of PGRMC1/Sigma-2 receptor facilitates cancer proliferation and chemoresistance. <i>Nature Communications</i> , 2016, 7, 11030.	12.8	153
10	B cell-derived GABA elicits IL-10 ⁺ macrophages to limit anti-tumour immunity. <i>Nature</i> , 2021, 599, 471-476.	27.8	145
11	Autophagy regulates lipid metabolism through selective turnover of NCoR1. <i>Nature Communications</i> , 2019, 10, 1567.	12.8	143
12	Imaging Mass Spectrometry Technology and Application on Ganglioside Study; Visualization of Age-Dependent Accumulation of C20-Ganglioside Molecular Species in the Mouse Hippocampus. <i>PLoS ONE</i> , 2008, 3, e3232.	2.5	139
13	DHA-PC and PSD-95 decrease after loss of synaptophysin and before neuronal loss in patients with Alzheimer's disease. <i>Scientific Reports</i> , 2014, 4, 7130.	3.3	135
14	Imaging Mass Spectrometry for Visualization of Drug and Endogenous Metabolite Distribution: Toward In Situ Pharmacometabolomes. <i>Journal of NeuroImmune Pharmacology</i> , 2010, 5, 31-43.	4.1	132
15	Visualization of Volatile Substances in Different Organelles with an Atmospheric-Pressure Mass Microscope. <i>Analytical Chemistry</i> , 2009, 81, 9153-9157.	6.5	127
16	Sodium-glucose cotransporter 2 inhibition normalizes glucose metabolism and suppresses oxidative stress in the kidneys of diabetic mice. <i>Kidney International</i> , 2018, 94, 912-925.	5.2	123
17	Imaging mass spectrometry revealed the production of lyso-phosphatidylcholine in the injured ischemic rat brain. <i>Neuroscience</i> , 2010, 168, 219-225.	2.3	121
18	The Histidine Transporter SLC15A4 Coordinates mTOR-Dependent Inflammatory Responses and Pathogenic Antibody Production. <i>Immunity</i> , 2014, 41, 375-388.	14.3	121

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19	PKM1 Confers Metabolic Advantages and Promotes Cell-Autonomous Tumor Cell Growth. <i>Cancer Cell</i> , 2018, 33, 355-367.e7.	16.8	121
20	Matrix-Assisted laser desorption/ionization quadrupole ion trap time-of-flight (MALDI-QIT-TOF)-based imaging mass spectrometry reveals a layered distribution of phospholipid molecular species in the mouse retina. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3415-3426.	1.5	119
21	Two-Step Matrix Application Technique To Improve Ionization Efficiency for Matrix-Assisted Laser Desorption/Ionization in Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 8227-8235.	6.5	110
22	IMP dehydrogenase-2 drives aberrant nucleolar activity and promotes tumorigenesis in glioblastoma. <i>Nature Cell Biology</i> , 2019, 21, 1003-1014.	10.3	107
23	Neuroaxonal Dystrophy in Calcium-Independent Phospholipase A ₂ ¹² Deficiency Results from Insufficient Remodeling and Degeneration of Mitochondrial and Presynaptic Membranes. <i>Journal of Neuroscience</i> , 2011, 31, 11411-11420.	3.6	105
24	Method for Simultaneous Imaging of Endogenous Low Molecular Weight Metabolites in Mouse Brain Using TiO ₂ Nanoparticles in Nanoparticle-Assisted Laser Desorption/Ionization-Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 7283-7289.	6.5	96
25	Mode of Bioenergetic Metabolism during B Cell Differentiation in the Intestine Determines the Distinct Requirement for Vitamin B1. <i>Cell Reports</i> , 2015, 13, 122-131.	6.4	96
26	Constitutive Lymphocyte Transmigration across the Basal Lamina of High Endothelial Venules Is Regulated by the Autotaxin/Lysophosphatidic Acid Axis. <i>Journal of Immunology</i> , 2013, 190, 2036-2048.	0.8	95
27	Gut bacteria identified in colorectal cancer patients promote tumourigenesis via butyrate secretion. <i>Nature Communications</i> , 2021, 12, 5674.	12.8	95
28	Metabolic shift induced by systemic activation of T cells in PD-1-deficient mice perturbs brain monoamines and emotional behavior. <i>Nature Immunology</i> , 2017, 18, 1342-1352.	14.5	83
29	Endogenous Prostaglandin D ₂ and Its Metabolites Protect the Heart Against Ischemia-Reperfusion Injury by Activating Nrf2. <i>Hypertension</i> , 2014, 63, 80-87.	2.7	79
30	Thin Sectioning Improves the Peak Intensity and Signal-to-Noise Ratio in Direct Tissue Mass Spectrometry. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2006, 54, 45-48.	0.1	79
31	Gold-nanoparticle surface-enhanced Raman spectroscopy visualizes hypotaurine as a robust anti-oxidant consumed in cancer survival. <i>Nature Communications</i> , 2018, 9, 1561.	12.8	74
32	Optogenetic astrocyte activation evokes BOLD fMRI response with oxygen consumption without neuronal activity modulation. <i>Glia</i> , 2018, 66, 2013-2023.	4.9	72
33	Visualization of Spatiotemporal Energy Dynamics of Hippocampal Neurons by Mass Spectrometry during a Kainate-Induced Seizure. <i>PLoS ONE</i> , 2011, 6, e17952.	2.5	72
34	<i>In situ</i> proteomics with imaging mass spectrometry and principal component analysis in the Scrapper knockout mouse brain. <i>Proteomics</i> , 2008, 8, 3692-3701.	2.2	71
35	Hypoperfusion of the Adventitial Vasa Vasorum Develops an Abdominal Aortic Aneurysm. <i>PLoS ONE</i> , 2015, 10, e0134386.	2.5	70
36	Rewiring of embryonic glucose metabolism via suppression of PFK-1 and aldolase during mouse chorioallantoic branching. <i>Development (Cambridge)</i> , 2017, 144, 63-73.	2.5	70

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37	Visualization of acetylcholine distribution in central nervous system tissue sections by tandem imaging mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1851-1861.	3.7	69
38	Microscopic imaging mass spectrometry assisted by on-tissue chemical derivatization for visualizing multiple amino acids in human colon cancer xenografts. <i>Proteomics</i> , 2014, 14, 810-819.	2.2	65
39	Selective imaging of positively charged polar and nonpolar lipids by optimizing matrix solution composition. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3269-3278.	1.5	63
40	Abnormal phospholipids distribution in the prefrontal cortex from a patient with schizophrenia revealed by matrix-assisted laser desorption/ionization imaging mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1933-1943.	3.7	63
41	Visualization and quantification of cerebral metabolic fluxes of glucose in awake mice. <i>Proteomics</i> , 2014, 14, 829-838.	2.2	61
42	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
43	Non-neuronal acetylcholine as an endogenous regulator of proliferation and differentiation of Lgr5-positive stem cells in mice. <i>FEBS Journal</i> , 2014, 281, 4672-4690.	4.7	59
44	Energy Management by Enhanced Glycolysis in G1-phase in Human Colon Cancer Cells <i>In Vitro</i> and <i>In Vivo</i> . <i>Molecular Cancer Research</i> , 2013, 11, 973-985.	3.4	58
45	Ionic Matrix for Enhanced MALDI Imaging Mass Spectrometry for Identification of Phospholipids in Mouse Liver and Cerebellum Tissue Sections. <i>Analytical Chemistry</i> , 2010, 82, 8800-8806.	6.5	57
46	Hydroxylated and non-hydroxylated sulfatide are distinctly distributed in the human cerebral cortex. <i>Neuroscience</i> , 2011, 193, 44-53.	2.3	55
47	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
48	Mutant ASXL1 induces age-related expansion of phenotypic hematopoietic stem cells through activation of Akt/mTOR pathway. <i>Nature Communications</i> , 2021, 12, 1826.	12.8	54
49	Tandem Mass Spectrometry Imaging Reveals Distinct Accumulation Patterns of Steroid Structural Isomers in Human Adrenal Glands. <i>Analytical Chemistry</i> , 2019, 91, 8918-8925.	6.5	48
50	Visualization of in vivo metabolic flows reveals accelerated utilization of glucose and lactate in penumbra of ischemic heart. <i>Scientific Reports</i> , 2016, 6, 32361.	3.3	47
51	Fibroblastic reticular cell-derived lysophosphatidic acid regulates confined intranodal T-cell motility. <i>ELife</i> , 2016, 5, e10561.	6.0	45
52	Aldosterone and 18-Oxocortisol Coaccumulation in Aldosterone-Producing Lesions. <i>Hypertension</i> , 2018, 72, 1345-1354.	2.7	44
53	Axonal Gradient of Arachidonic Acid-containing Phosphatidylcholine and Its Dependence on Actin Dynamics. <i>Journal of Biological Chemistry</i> , 2012, 287, 5290-5300.	3.4	41
54	Recombinant Mammalian Tubulin Polyglutamylase TLL7 Performs both Initiation and Elongation of Polyglutamylation on β -Tubulin through a Random Sequential Pathway. <i>Biochemistry</i> , 2009, 48, 1084-1093.	2.5	39

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55	Spatiotemporal alteration of phospholipids and prostaglandins in a rat model of spinal cord injury. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1873-1884.	3.7	39
56	Detection of characteristic distributions of phospholipid head groups and fatty acids on neurite surface by time-of-flight secondary ion mass spectrometry. <i>Medical Molecular Morphology</i> , 2010, 43, 158-164.	1.0	37
57	C-type lectin Mincle mediates cell death-triggered inflammation in acute kidney injury. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	35
58	Effective Sample Preparations in Imaging Mass Spectrometry. <i>Mass Spectrometry</i> , 2014, 3, S0029-S0029.	0.6	33
59	Detection of a High-Turnover Serotonin Circuit in the Mouse Brain Using Mass Spectrometry Imaging. <i>IScience</i> , 2019, 20, 359-372.	4.1	33
60	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, 1913-1921.	3.7	32
61	Short-chain fatty acids bind to apoptosis-associated speck-like protein to activate inflammasome complex to prevent Salmonella infection. <i>PLoS Biology</i> , 2020, 18, e3000813.	5.6	32
62	Therapeutic Hypothermia Achieves Neuroprotection via a Decrease in Acetylcholine with a Concurrent Increase in Carnitine in the Neonatal Hypoxia-Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 794-805.	4.3	31
63	Starvation causes female-to-male sex reversal through lipid metabolism in the teleost fish, medaka (<i>Oryzias latipes</i>). <i>Biology Open</i> , 2020, 9, .	1.2	31
64	Cholesterol sulfate is a DOCK2 inhibitor that mediates tissue-specific immune evasion in the eye. <i>Science Signaling</i> , 2018, 11, .	3.6	29
65	SLC15A4 mediates M1-prone metabolic shifts in macrophages and guards immune cells from metabolic stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	29
66	Magnetic Nanoparticle-Based Mass Spectrometry for the Detection of Biomolecules in Cultured Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 169-176.	0.9	26
67	Developments and applications of mass microscopy. <i>Medical Molecular Morphology</i> , 2010, 43, 1-5.	1.0	26
68	<i>Staphylococcus cohnii</i> is a potentially biotherapeutic skin commensal alleviating skin inflammation. <i>Cell Reports</i> , 2021, 35, 109052.	6.4	26
69	A sublethal ATP11A mutation associated with neurological deterioration causes aberrant phosphatidylcholine flipping in plasma membranes. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	25
70	Structural library and visualization of endogenously oxidized phosphatidylcholines using mass spectrometry-based techniques. <i>Nature Communications</i> , 2021, 12, 6339.	12.8	24
71	Cystathionine β -synthase and PGRMC1 as CO sensors. <i>Free Radical Biology and Medicine</i> , 2016, 99, 333-344.	2.9	23
72	Arl8b is required for lysosomal degradation of maternal proteins in the visceral yolk sac endoderm of mouse embryos. <i>Journal of Cell Science</i> , 2017, 130, 3568-3577.	2.0	23

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73	Progesterone receptor membrane associated component 1 enhances obesity progression in mice by facilitating lipid accumulation in adipocytes. <i>Communications Biology</i> , 2020, 3, 479.	4.4	23
74	Imaging of lipids in cultured mammalian neurons by matrix assisted laser/desorption ionization and secondary ion mass spectrometry. <i>Surface and Interface Analysis</i> , 2010, 42, 1606-1611.	1.8	22
75	Placental labyrinth formation in mice requires endothelial FLRT2-UNC5B signaling. <i>Development (Cambridge)</i> , 2017, 144, 2392-2401.	2.5	21
76	Investigation by Imaging Mass Spectrometry of Biomarker Candidates for Aging in the Hair Cortex. <i>PLoS ONE</i> , 2011, 6, e26721.	2.5	20
77	Increased Cytotoxicity of Herpes Simplex Virus Thymidine Kinase Expression in Human Induced Pluripotent Stem Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 810.	4.1	20
78	Finding of thiosulfate pathway for synthesis of organic sulfur compounds in <i>Saccharomyces cerevisiae</i> and improvement of ethanol production. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 666-669.	2.2	19
79	Decreased 16:0/20:4-phosphatidylinositol level in the post-mortem prefrontal cortex of elderly patients with schizophrenia. <i>Scientific Reports</i> , 2017, 7, 45050.	3.3	19
80	A method for determination of aldosterone in adrenal tributary venous serum by derivatization using Girard P reagent isotopologues followed by LC/ESI-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1092, 106-113.	2.3	18
81	Using Imaging Mass Spectrometry to Accurately Diagnose Fabry's Disease. <i>Circulation Journal</i> , 2011, 75, 221-223.	1.6	15
82	Arundic acid (ONO-2506) inhibits secondary injury and improves motor function in rats with spinal cord injury. <i>Journal of the Neurological Sciences</i> , 2014, 337, 186-192.	0.6	15
83	Spectrum Normalization Method Using an External Standard in Mass Spectrometric Imaging. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2008, 56, 77-81.	0.1	15
84	Protein denaturation improves enzymatic digestion efficiency for direct tissue analysis using mass spectrometry. <i>Applied Surface Science</i> , 2008, 255, 1555-1559.	6.1	14
85	Vitamin B1 Supports the Differentiation of T Cells through TGF- β 2 Superfamily Production in Thymic Stromal Cells. <i>IScience</i> , 2020, 23, 101426.	4.1	14
86	Development of an Imaging Mass Spectrometry Technique for Visualizing Localized Cellular Signaling Mediators in Tissues. <i>Mass Spectrometry</i> , 2015, 4, A0040-A0040.	0.6	13
87	Osteoclasts adapt to physioxia perturbation through DNA demethylation. <i>EMBO Reports</i> , 2021, 22, e53035.	4.5	13
88	Tumor-specific interendothelial adhesion mediated by FLRT2 facilitates cancer aggressiveness. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	13
89	Medical molecular morphology with imaging mass spectrometry. <i>Medical Molecular Morphology</i> , 2009, 42, 133-137.	1.0	12
90	Extracellular N-acetylaspartylglutamate released in the nucleus accumbens modulates the pain sensation: Analysis using a microdialysis/mass spectrometry integrated system. <i>Molecular Pain</i> , 2018, 14, 174480691875493.	2.1	12

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91	Optogenetic stimulus-triggered acquisition of seizure resistance. <i>Neurobiology of Disease</i> , 2022, 163, 105602.	4.4	12
92	Cancer-derived cholesterol sulfate is a key mediator to prevent tumor infiltration by effector T cells. <i>International Immunology</i> , 2022, 34, 277-289.	4.0	12
93	Coupling of angiogenesis and odontogenesis orchestrates tooth mineralization in mice. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	12
94	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
95	Sulfatide accumulation in the dystrophic terminals of gracile axonal dystrophy mice: lipid analysis using matrix-assisted laser desorption/ionization imaging mass spectrometry. <i>Medical Molecular Morphology</i> , 2013, 46, 160-165.	1.0	10
96	Evaluation of the effect of tranilast on rats with spinal cord injury. <i>Journal of the Neurological Sciences</i> , 2014, 346, 209-215.	0.6	10
97	Matrix-Assisted Laser Desorption/Ionization and Nanoparticle-Based Imaging Mass Spectrometry for Small Metabolites: A Practical Protocol. <i>Methods in Molecular Biology</i> , 2010, 656, 173-195.	0.9	9
98	Direct profiling of the phospholipid composition of adult <i>Caenorhabditis elegans</i> using whole-body imaging mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 7589-7602.	3.7	9
99	Mechanical allodynia induced by optogenetic sensory nerve excitation activates dopamine signaling and metabolism in medial nucleus accumbens. <i>Neurochemistry International</i> , 2019, 129, 104494.	3.8	9
100	Methods of Matrix Application. , 2010, , 71-85.		9
101	Immunohistochemistry for aldosterone synthase CYP11B2 and matrix-assisted laser desorption ionization imaging mass spectrometry for in-situ aldosterone detection. <i>Current Opinion in Nephrology and Hypertension</i> , 2019, 28, 105-112.	2.0	8
102	Rostro-caudal different energy metabolism leading to differences in degeneration in spinal cord injury. <i>Brain Communications</i> , 2021, 3, fcab058.	3.3	8
103	Direct Analysis of Cultured Cells with Matrix-Assisted Laser Desorption/Ionization on Conductive Transparent Film. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2007, 55, 25-31.	0.1	8
104	Extracellular ATP Limits Homeostatic T Cell Migration Within Lymph Nodes. <i>Frontiers in Immunology</i> , 2021, 12, 786595.	4.8	8
105	AKT signaling is associated with epigenetic reprogramming via the upregulation of TET and its cofactor, alpha-ketoglutarate during iPSC generation. <i>Stem Cell Research and Therapy</i> , 2021, 12, 510.	5.5	7
106	A method for determination of aldosterone concentrations of six adrenal venous serum samples during a single LC/ESI-MS/MS run using a sextet of Girard reagents. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 207, 114423.	2.8	7
107	Pharmacological intervention of cholesterol sulfate-mediated T cell exclusion promotes antitumor immunity. <i>Biochemical and Biophysical Research Communications</i> , 2022, 609, 183-188.	2.1	7
108	Mass Spectrometric Enzyme Histochemistry for Choline Acetyltransferase Reveals De Novo Acetylcholine Synthesis in Rodent Brain and Spinal Cord. <i>ACS Chemical Neuroscience</i> , 2021, 12, 2079-2087.	3.5	6

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109	Matrix Choice. , 2010, , 55-69.		6
110	Familial Hyperaldosteronism Type 3 with a Rapidly Growing Adrenal Tumor: An In Situ Aldosterone Imaging Study. Current Issues in Molecular Biology, 2022, 44, 128-138.	2.4	6
111	<i>Dendropanax morbiferus</i> leaf extract facilitates oligodendrocyte development. Royal Society Open Science, 2019, 6, 190266.	2.4	5
112	Quantitative MALDI-MS/MS assay for serum cortisol through charged derivatization. Journal of Pharmaceutical and Biomedical Analysis, 2020, 178, 112912.	2.8	5
113	Ion Image Reconstruction Using BioMap Software. , 2010, , 113-126.		5
114	In situ imaging of monoamine localization and dynamics. , 2020, 208, 107478.		4
115	Possible Therapeutic Strategy Involving the Purine Synthesis Pathway Regulated by ITK in Tongue Squamous Cell Carcinoma. Cancers, 2021, 13, 3333.	3.7	4
116	Guide to Planning the Sample Preparation Step. , 2010, , 11-30.		4
117	Preparing Biological Tissue Sections for Imaging Mass Spectrometry. , 2010, , 41-54.		4
118	A thin layer of sucrose octasulfate protects the oesophageal mucosal epithelium in reflux oesophagitis. Scientific Reports, 2019, 9, 3559.	3.3	2
119	Imaging of Cultured Cells by Mass Spectrometry. , 2010, , 159-168.		2
120	In Vivo Hypoglycemic Effects, Potential Mechanisms and LC-MS/MS Analysis of Dendropanax Trifidus Sap Extract. Nutrients, 2021, 13, 4332.	4.1	2
121	Hydrophilic Metabolite Analysis. Journal of the Mass Spectrometry Society of Japan, 2017, 65, 195-198.	0.1	1
122	What Do We See in Spectra?: Assignment of High-Intensity Peaks of Cutibacterium and Staphylococcus Spectra of MALDI-TOF Mass Spectrometry by Interspecies Comparative Proteogenomics. Microorganisms, 2021, 9, 1243.	3.6	1
123	Imaging and Molecular Identification of Biomolecules on Tissue Sections with AXIMA-QIT: Shimadzu Corporation. , 2010, , 209-219.		1
124	MALDI Imaging with Ion-Mobility MS: Waters Corporation. , 2010, , 221-231.		1
125	Utilizing mass spectrometry imaging to map the thyroid hormones triiodothyronine and thyroxine in Xenopus tropicalis tadpoles. , 2018, 410, 1333.		1
126	2P545 Imaging and direct structural analysis of biomolecules on the mammalian tissue surface using tandem mass spectrometry(52. Bio-imaging,Poster Session,Abstract,Meeting Program of EABS & BSI) Tj ETQq0.0 0 rgBTd/Overlock		

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127	Visualization of Localized Cellular Signalling Mediators in Tissues by Imaging Mass Spectrometry. , 2016, , 147-160.		0
128	Rewiring of embryonic glucose metabolism via suppression of PFK-1 and aldolase during mouse chorioallantoic branching. Journal of Cell Science, 2017, 130, e1.1-e1.1.	2.0	0