# Yuki Sugiura

List of Publications by Year
in descending order



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|---|---|---|---|
| 128 papers | 7,030 citations | 53939 47 h-index | 75989 78 g-index |
| 133 all docs | 133 docs citations | 133 times ranked | 11051 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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. Journal of Pharmaceutical and Biomedical Analysis, 2022, 207, 114423. | 1.4 | 7 |
| 2 | Optogenetic stimulus-triggered acquisition of seizure resistance. Neurobiology of Disease, 2022, 163, 105602. | 2.1 | 12 |
| 3 | Cancer-derived cholesterol sulfate is a key mediator to prevent tumor infiltration by effector T cells. International Immunology, 2022, 34, 277-289. | 1.8 | 12 |
| 4 | Tumor-specific interendothelial adhesion mediated by FLRT2 facilitates cancer aggressiveness. Journal of Clinical Investigation, 2022, 132, . | 3.9 | 13 |
| 5 | 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. | 1.0 | 6 |
| 6 | Pharmacological intervention of cholesterol sulfate-mediated T cell exclusion promotes antitumor immunity. Biochemical and Biophysical Research Communications, 2022, 609, 183-188. | 1.0 | 7 |
| 7 | Coupling of angiogenesis and odontogenesis orchestrates tooth mineralization in mice. Journal of Experimental Medicine, 2022, 219, . | 4.2 | 12 |
| 8 | Senolysis by glutaminolysis inhibition ameliorates various age-associated disorders. Science, 2021, 371, 265-270. | 6.0 | 222 |
| 9 | Mutant ASXL1 induces age-related expansion of phenotypic hematopoietic stem cells through activation of Akt/mTOR pathway. Nature Communications, 2021, 12, 1826. | 5.8 | 54 |
| 10 | Rostro-caudal different energy metabolism leading to differences in degeneration in spinal cord injury. Brain Communications, 2021, 3, fcab058. | 1.5 | 8 |
| 11 | Staphylococcus cohnii is a potentially biotherapeutic skin commensal alleviating skin inflammation. Cell Reports, 2021, 35, 109052. | 2.9 | 26 |
| 12 | Mass Spectrometric Enzyme Histochemistry for Choline Acetyltransferase Reveals De Novo Acetylcholine Synthesis in Rodent Brain and Spinal Cord. ACS Chemical Neuroscience, 2021, 12, 2079-2087. | 1.7 | 6 |
| 13 | 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. | 1.6 | 1 |
| 14 | Possible Therapeutic Strategy Involving the Purine Synthesis Pathway Regulated by ITK in Tongue Squamous Cell Carcinoma. Cancers, 2021, 13, 3333. | 1.7 | 4 |
| 15 | SLC15A4 mediates M1-prone metabolic shifts in macrophages and guards immune cells from metabolic stress. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 29 |
| 16 | A sublethal ATP11A mutation associated with neurological deterioration causes aberrant phosphatidylcholine flipping in plasma membranes. Journal of Clinical Investigation, 2021, 131, . | 3.9 | 25 |
| 17 | Gut bacteria identified in colorectal cancer patients promote tumourigenesis via butyrate secretion. Nature Communications, 2021, 12, 5674. | 5.8 | 95 |
| 18 | AKT signaling is associated with epigenetic reprogramming via the upregulation of TET and its cofactor, alpha-ketoglutarate during iPSC generation. Stem Cell Research and Therapy, 2021, 12, 510. | 2.4 | 7 |

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|---|---|---|---|
| 19 | Osteoclasts adapt to physioxia perturbation through DNA demethylation. EMBO Reports, 2021, 22, e53035. | 2.0 | 13 |
| 20 | Structural library and visualization of endogenously oxidized phosphatidylcholines using mass spectrometry-based techniques. Nature Communications, 2021, 12, 6339. | 5.8 | 24 |
| 21 | B cell-derived GABA elicits IL-10+ macrophages toÂlimit anti-tumour immunity. Nature, 2021, 599, 471-476. | 13.7 | 145 |
| 22 | In Vivo Hypoglycemic Effects, Potential Mechanisms and LC-MS/MS Analysis of Dendropanax Trifidus Sap Extract. Nutrients, 2021, 13, 4332. | 1.7 | 2 |
| 23 | Extracellular ATP Limits Homeostatic T Cell Migration Within Lymph Nodes. Frontiers in Immunology, 2021, 12, 786595. | 2.2 | 8 |
| 24 | Quantitative MALDI-MS/MS assay for serum cortisol through charged derivatization. Journal of Pharmaceutical and Biomedical Analysis, 2020, 178, 112912. | 1.4 | 5 |
| 25 | Short-chain fatty acids bind to apoptosis-associated speck-like protein to activate inflammasome complex to prevent Salmonella infection. PLoS Biology, 2020, 18, e3000813. | 2.6 | 32 |
| 26 | Vitamin B1 Supports the Differentiation of T Cells through TGF-Î² Superfamily Production in Thymic Stromal Cells. IScience, 2020, 23, 101426. | 1.9 | 14 |
| 27 | C-type lectin Mincle mediates cell deathâ€“triggered inflammation in acute kidney injury. Journal of Experimental Medicine, 2020, 217, . | 4.2 | 35 |
| 28 | Progesterone receptor membrane associated component 1 enhances obesity progression in mice by facilitating lipid accumulation in adipocytes. Communications Biology, 2020, 3, 479. | 2.0 | 23 |
| 29 | In situ imaging of monoamine localization and dynamics. , 2020, 208, 107478. | | 4 |
| 30 | Starvation causes female-to-male sex reversal through lipid metabolism in the teleost fish, medaka (Olyzias latipes). Biology Open, 2020, 9, . | 0.6 | 31 |
| 31 | IMP dehydrogenase-2 drives aberrant nucleolar activity and promotes tumorigenesis in glioblastoma. Nature Cell Biology, 2019, 21, 1003-1014. | 4.6 | 107 |
| 32 | Dendropanax morbiferus leaf extract facilitates oligodendrocyte development. Royal Society Open Science, 2019, 6, 190266. | 1.1 | 5 |
| 33 | Detection of a High-Turnover Serotonin Circuit in the Mouse Brain Using Mass Spectrometry Imaging. IScience, 2019, 20, 359-372. | 1.9 | 33 |
| 34 | A defined commensal consortium elicits CD8 T cells and anti-cancer immunity. Nature, 2019, 565, 600-605. | 13.7 | 741 |
| 35 | Tandem Mass Spectrometry Imaging Reveals Distinct Accumulation Patterns of Steroid Structural Isomers in Human Adrenal Glands. Analytical Chemistry, 2019, 91, 8918-8925. | 3.2 | 48 |
| 36 | Mechanical allodynia induced by optogenetic sensory nerve excitation activates dopamine signaling and metabolism in medial nucleus accumbens. Neurochemistry International, 2019, 129, 104494. | 1.9 | 9 |

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|---|---|---|---|
| 37 | A thin layer of sucrose octasulfate protects the oesophageal mucosal epithelium in reflux oesophagitis. Scientific Reports, 2019, 9, 3559. | 1.6 | 2 |
| 38 | Autophagy regulates lipid metabolism through selective turnover of NCoR1. Nature Communications, 2019, 10, 1567. | 5.8 | 143 |
| 39 | Increased Cytotoxicity of Herpes Simplex Virus Thymidine Kinase Expression in Human Induced Pluripotent Stem Cells. International Journal of Molecular Sciences, 2019, 20, 810. | 1.8 | 20 |
| 40 | Immunohistochemistry for aldosterone synthase CYP11B2 and matrix-assisted laser desorption ionization imaging mass spectrometry for in-situ aldosterone detection. Current Opinion in Nephrology and Hypertension, 2019, 28, 105-112. | 1.0 | 8 |
| 41 | Gold-nanofÃ¨ve surface-enhanced Raman spectroscopy visualizes hypotaurine as a robust anti-oxidant consumed in cancer survival. Nature Communications, 2018, 9, 1561. | 5.8 | 74 |
| 42 | Extracellular N-acetylaspartylglutamate released in the nucleus accumbens modulates the pain sensation: Analysis using a microdialysis/mass spectrometry integrated system. Molecular Pain, 2018, 14, 174480691875493. | 1.0 | 12 |
| 43 | Utilizing mass spectrometry imaging to map the thyroid hormones triiodothyronine and thyroxine in Xenopus tropicalis tadpoles. Analytical and Bioanalytical Chemistry, 2018, 410, 1333-1340. | 1.9 | 11 |
| 44 | PKM1 Confers Metabolic Advantages and Promotes Cell-Autonomous Tumor Cell Growth. Cancer Cell, 2018, 33, 355-367.e7. | 7.7 | 121 |
| 45 | Aldosterone and 18-Oxocortisol Coaccumulation in Aldosterone-Producing Lesions. Hypertension, 2018, 72, 1345-1354. | 1.3 | 44 |
| 46 | Optogenetic astrocyte activation evokes BOLD fMRI response with oxygen consumption without neuronal activity modulation. Glia, 2018, 66, 2013-2023. | 2.5 | 72 |
| 47 | Cholesterol sulfate is a DOCK2 inhibitor that mediates tissue-specific immune evasion in the eye. Science Signaling, 2018, 11, . | 1.6 | 29 |
| 48 | Sodiumâ€“glucose cotransporter 2 inhibition normalizes glucose metabolism and suppresses oxidative stress in the kidneys of diabetic mice. Kidney International, 2018, 94, 912-925. | 2.6 | 123 |
| 49 | A method for determination of aldosterone in adrenal tributary venous serum by derivatization using Girard P reagent isotopologues followed by LC/ESI-MS/MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1092, 106-113. | 1.2 | 18 |
| 50 | Utilizing mass spectrometry imaging to map the thyroid hormones triiodothyronine and thyroxine in Xenopus tropicalis tadpoles. , 2018, 410, 1333. | | 1 |
| 51 | Rewiring of embryonic glucose metabolism via suppression of PFK-1 and aldolase during mouse chorioallantoic branching. Development (Cambridge), 2017, 144, 63-73. | 1.2 | 70 |
| 52 | Placental labyrinth formation in mice requires endothelial FLRT2â€“UNC5B signaling. Development (Cambridge), 2017, 144, 2392-2401. | 1.2 | 21 |
| 53 | Decreased 16:0/20:4-phosphatidylinositol level in the post-mortem prefrontal cortex of elderly patients with schizophrenia. Scientific Reports, 2017, 7, 45050. | 1.6 | 19 |
| 54 | Metabolic shift induced by systemic activation of T cells in PD-1-deficient mice perturbs brain monoamines and emotional behavior. Nature Immunology, 2017, 18, 1342-1352. | 7.0 | 83 |

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|---|---|---|---|
| 55 | Arl8b is required for lysosomal degradation of maternal proteins in the visceral yolk sac endoderm of mouse embryos. Journal of Cell Science, 2017, 130, 3568-3577. | 1.2 | 23 |
| 56 | Hydrophilic Metabolite Analysis. Journal of the Mass Spectrometry Society of Japan, 2017, 65, 195-198. | 0.0 | 1 |
| 57 | 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. | 1.2 | 0 |
| 58 | Cystathionine Î²-synthase and PGRMC1 as CO sensors. Free Radical Biology and Medicine, 2016, 99, 333-344. | 1.3 | 23 |
| 59 | Visualization of Localized Cellular Signalling Mediators in Tissues by Imaging Mass Spectrometry. , 2016, , 147-160. | | 0 |
| 60 | Visualization of in vivo metabolic flows reveals accelerated utilization of glucose and lactate in penumbra of ischemic heart. Scientific Reports, 2016, 6, 32361. | 1.6 | 47 |
| 61 | HIF-1Î±-PDK1 axis-induced active glycolysis plays an essential role in macrophage migratory capacity. Nature Communications, 2016, 7, 11635. | 5.8 | 233 |
| 62 | Haem-dependent dimerization of PGRMC1/Sigma-2 receptor facilitates cancer proliferation and chemoresistance. Nature Communications, 2016, 7, 11030. | 5.8 | 153 |
| 63 | Fibroblastic reticular cell-derived lysophosphatidic acid regulates confined intranodal T-cell motility. ELife, 2016, 5, e10561. | 2.8 | 45 |
| 64 | Development of an Imaging Mass Spectrometry Technique for Visualizing Localized Cellular Signaling Mediators in Tissues. Mass Spectrometry, 2015, 4, A0040-A0040. | 0.2 | 13 |
| 65 | Hypoperfusion of the Adventitial Vasa Vasorum Develops an Abdominal Aortic Aneurysm. PLoS ONE, 2015, 10, e0134386. | 1.1 | 70 |
| 66 | Mode of Bioenergetic Metabolism during B Cell Differentiation in the Intestine Determines the Distinct Requirement for Vitamin B1. Cell Reports, 2015, 13, 122-131. | 2.9 | 96 |
| 67 | Therapeutic Hypothermia Achieves Neuroprotection via a Decrease in Acetylcholine with a Concurrent Increase in Carnitine in the Neonatal Hypoxia-Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 794-805. | 2.4 | 31 |
| 68 | Finding of thiosulfate pathway for synthesis of organic sulfur compounds in Saccharomyces cerevisiae and improvement of ethanol production. Journal of Bioscience and Bioengineering, 2015, 120, 666-669. | 1.1 | 19 |
| 69 | Direct profiling of the phospholipid composition of adult Caenorhabditis elegans using whole-body imaging mass spectrometry. Analytical and Bioanalytical Chemistry, 2015, 407, 7589-7602. | 1.9 | 9 |
| 70 | Effective Sample Preparations in Imaging Mass Spectrometry. Mass Spectrometry, 2014, 3, S0029-S0029. | 0.2 | 33 |
| 71 | Nonâ€neuronal acetylcholine as an endogenous regulator of proliferation and differentiation of Lgr5â€positive stem cells in mice. FEBS Journal, 2014, 281, 4672-4690. | 2.2 | 59 |
| 72 | Microscopic imaging mass spectrometry assisted by onâ€tissue chemical derivatization for visualizing multiple amino acids in human colon cancer xenografts. Proteomics, 2014, 14, 810-819. | 1.3 | 65 |

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|---|---|---|---|
| 73 | Characterization of the 17 strains of regulatory T cell-inducing human-derived Clostridia. Gut Microbes, 2014, 5, 333-339. | 4.3 | 182 |
| 74 | Visualization and quantification of cerebral metabolic fluxes of glucose in awake mice. Proteomics, 2014, 14, 829-838. | 1.3 | 61 |
| 75 | Arundic acid (ONO-2506) inhibits secondary injury and improves motor function in rats with spinal cord injury. Journal of the Neurological Sciences, 2014, 337, 186-192. | 0.3 | 15 |
| 76 | Endogenous Prostaglandin D <sub>2</sub> and Its Metabolites Protect the Heart Against Ischemiaâ€“Reperfusion Injury by Activating Nrf2. Hypertension, 2014, 63, 80-87. | 1.3 | 79 |
| 77 | Evaluation of the effect of tranilast on rats with spinal cord injury. Journal of the Neurological Sciences, 2014, 346, 209-215. | 0.3 | 10 |
| 78 | The Histidine Transporter SLC15A4 Coordinates mTOR-Dependent Inflammatory Responses and Pathogenic Antibody Production. Immunity, 2014, 41, 375-388. | 6.6 | 121 |
| 79 | DHA-PC and PSD-95 decrease after loss of synaptophysin and before neuronal loss in patients with Alzheimer's disease. Scientific Reports, 2014, 4, 7130. | 1.6 | 135 |
| 80 | Sulfatide accumulation in the dystrophic terminals of gracile axonal dystrophy mice: lipid analysis using matrix-assisted laser desorption/ionization imaging mass spectrometry. Medical Molecular Morphology, 2013, 46, 160-165. | 0.4 | 10 |
| 81 | Energy Management by Enhanced Glycolysis in G1-phase in Human Colon Cancer Cells In Vitro and In Vivo. Molecular Cancer Research, 2013, 11, 973-985. | 1.5 | 58 |
| 82 | Constitutive Lymphocyte Transmigration across the Basal Lamina of High Endothelial Venules Is Regulated by the Autotaxin/Lysophosphatidic Acid Axis. Journal of Immunology, 2013, 190, 2036-2048. | 0.4 | 95 |
| 83 | Axonal Gradient of Arachidonic Acid-containing Phosphatidylcholine and Its Dependence on Actin Dynamics. Journal of Biological Chemistry, 2012, 287, 5290-5300. | 1.6 | 41 |
| 84 | Spatiotemporal alteration of phospholipids and prostaglandins in a rat model of spinal cord injury. Analytical and Bioanalytical Chemistry, 2012, 403, 1873-1884. | 1.9 | 39 |
| 85 | Visualization of acetylcholine distribution in central nervous system tissue sections by tandem imaging mass spectrometry. Analytical and Bioanalytical Chemistry, 2012, 403, 1851-1861. | 1.9 | 69 |
| 86 | Method for Simultaneous Imaging of Endogenous Low Molecular Weight Metabolites in Mouse Brain Using TiO<sub>2</sub> Nanoparticles in Nanoparticle-Assisted Laser Desorption/Ionization-Imaging Mass Spectrometry. Analytical Chemistry, 2011, 83, 7283-7289. | 3.2 | 96 |
| 87 | Hydroxylated and non-hydroxylated sulfatide are distinctly distributed in the human cerebral cortex. Neuroscience, 2011, 193, 44-53. | 1.1 | 55 |
| 88 | Using Imaging Mass Spectrometry to Accurately Diagnose Fabry's Disease. Circulation Journal, 2011, 75, 221-223. | 0.7 | 15 |
| 89 | Abnormal phospholipids distribution in the prefrontal cortex from a patient with schizophrenia revealed by matrix-assisted laser desorption/ionization imaging mass spectrometry. Analytical and Bioanalytical Chemistry, 2011, 400, 1933-1943. | 1.9 | 63 |
| 90 | 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, 1913-1921. | 1.9 | 32 |

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| 91 | Investigation by Imaging Mass Spectrometry of Biomarker Candidates for Aging in the Hair Cortex. PLoS ONE, 2011, 6, e26721. | 1.1 | 20 |
| 92 | Neuroaxonal Dystrophy in Calcium-Independent Phospholipase A<sub>2</sub>Î² Deficiency Results from Insufficient Remodeling and Degeneration of Mitochondrial and Presynaptic Membranes. Journal of Neuroscience, 2011, 31, 11411-11420. | 1.7 | 105 |
| 93 | Visualization of Spatiotemporal Energy Dynamics of Hippocampal Neurons by Mass Spectrometry during a Kainate-Induced Seizure. PLoS ONE, 2011, 6, e17952. | 1.1 | 72 |
| 94 | Ionic Matrix for Enhanced MALDI Imaging Mass Spectrometry for Identification of Phospholipids in Mouse Liver and Cerebellum Tissue Sections. Analytical Chemistry, 2010, 82, 8800-8806. | 3.2 | 57 |
| 95 | Detection of characteristic distributions of phospholipid head groups and fatty acids on neurite surface by time-of-flight secondary ion mass spectrometry. Medical Molecular Morphology, 2010, 43, 158-164. | 0.4 | 37 |
| 96 | Developments and applications of mass microscopy. Medical Molecular Morphology, 2010, 43, 1-5. | 0.4 | 26 |
| 97 | Imaging Mass Spectrometry for Visualization of Drug and Endogenous Metabolite Distribution: Toward In Situ Pharmacometabolomes. Journal of NeuroImmune Pharmacology, 2010, 5, 31-43. | 2.1 | 132 |
| 98 | Imaging of lipids in cultured mammalian neurons by matrix assisted laser/desorption ionization and secondary ion mass spectrometry. Surface and Interface Analysis, 2010, 42, 1606-1611. | 0.8 | 22 |
| 99 | Imaging mass spectrometry revealed the production of lyso-phosphatidylcholine in the injured ischemic rat brain. Neuroscience, 2010, 168, 219-225. | 1.1 | 121 |
| 100 | Matrix-Assisted Laser Desorption/Ionization and Nanoparticle-Based Imaging Mass Spectrometry for Small Metabolites: A Practical Protocol. Methods in Molecular Biology, 2010, 656, 173-195. | 0.4 | 9 |
| 101 | Imaging of Cultured Cells by Mass Spectrometry. , 2010, , 159-168. | | 2 |
| 102 | Imaging and Molecular Identification of Biomolecules on Tissue Sections with AXIMA-QIT: Shimadzu Corporation. , 2010, , 209-219. | | 1 |
| 103 | MALDI Imaging with Ion-Mobility MS: Waters Corporation. , 2010, , 221-231. | | 1 |
| 104 | Guide to Planning the Sample Preparation Step. , 2010, , 11-30. | | 4 |
| 105 | Preparing Biological Tissue Sections for Imaging Mass Spectrometry. , 2010, , 41-54. | | 4 |
| 106 | Matrix Choice. , 2010, , 55-69. | | 6 |
| 107 | Methods of Matrix Application. , 2010, , 71-85. | | 9 |
| 108 | Ion Image Reconstruction Using BioMap Software. , 2010, , 113-126. | | 5 |

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| 109 | Layer-specific sulfatide localization in rat hippocampus middle molecular layer is revealed by nanoparticle-assisted laser desorption/ionization imaging mass spectrometry. Medical Molecular Morphology, 2009, 42, 16-23. | 0.4 | 54 |
| 110 | Medical molecular morphology with imaging mass spectrometry. Medical Molecular Morphology, 2009, 42, 133-137. | 0.4 | 12 |
| 111 | Selective imaging of positively charged polar and nonpolar lipids by optimizing matrix solution composition. Rapid Communications in Mass Spectrometry, 2009, 23, 3269-3278. | 0.7 | 63 |
| 112 | Visualization of Volatile Substances in Different Organelles with an Atmospheric-Pressure Mass Microscope. Analytical Chemistry, 2009, 81, 9153-9157. | 3.2 | 127 |
| 113 | Recombinant Mammalian Tubulin Polyglutamylase TTLL7 Performs both Initiation and Elongation of Polyglutamylation on Î²-Tubulin through a Random Sequential Pathway. Biochemistry, 2009, 48, 1084-1093. | 1.2 | 39 |
| 114 | Visualization of the cell-selective distribution of PUFA-containing phosphatidylcholines in mouse brain by imaging mass spectrometry. Journal of Lipid Research, 2009, 50, 1776-1788. | 2.0 | 180 |
| 115 | Magnetic Nanoparticle-Based Mass Spectrometry for the Detection of Biomolecules in Cultured Cells. Journal of Nanoscience and Nanotechnology, 2009, 9, 169-176. | 0.9 | 26 |
| 116 | High-sensitivity analysis of glycosphingolipids by matrix-assisted laser desorption/ionization quadrupole ion trap time-of-flight imaging mass spectrometry on transfer membranes. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 870, 74-83. | 1.2 | 59 |
| 117 | In situ proteomics with imaging mass spectrometry and principal component analysis in the Scrapperâ€knockout mouse brain. Proteomics, 2008, 8, 3692-3701. | 1.3 | 71 |
| 118 | Matrixâ€assisted laser desorption/ionization quadrupole ion trap timeâ€ofâ€flight (MALDIâ€QITâ€TOF)â€based imaging mass spectrometry reveals a layered distribution of phospholipid molecular species in the mouse retina. Rapid Communications in Mass Spectrometry, 2008, 22, 3415-3426. | 0.7 | 119 |
| 119 | Protein denaturation improves enzymatic digestion efficiency for direct tissue analysis using mass spectrometry. Applied Surface Science, 2008, 255, 1555-1559. | 3.1 | 14 |
| 120 | Nanoparticle-Assisted Laser Desorption/Ionization Based Mass Imaging with Cellular Resolution. Analytical Chemistry, 2008, 80, 4761-4766. | 3.2 | 164 |
| 121 | Mass Imaging and Identification of Biomolecules with MALDI-QIT-TOF-Based System. Analytical Chemistry, 2008, 80, 878-885. | 3.2 | 155 |
| 122 | Imaging Mass Spectrometry Technology and Application on Ganglioside Study; Visualization of Age-Dependent Accumulation of C20-Ganglioside Molecular Species in the Mouse Hippocampus. PLoS ONE, 2008, 3, e3232. | 1.1 | 139 |
| 123 | Spectrum Normalization Method Using an External Standard in Mass Spectrometric Imaging. Journal of the Mass Spectrometry Society of Japan, 2008, 56, 77-81. | 0.0 | 15 |
| 124 | MALDI-based imaging mass spectrometry revealed abnormal distribution of phospholipids in colon cancer liver metastasis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 855, 98-103. | 1.2 | 168 |
| 125 | Direct Analysis of Cultured Cells with Matrix-Assisted Laser Desorption/Ionization on Conductive Transparent Film. Journal of the Mass Spectrometry Society of Japan, 2007, 55, 25-31. | 0.0 | 8 |
| 126 | Two-Step Matrix Application Technique To Improve Ionization Efficiency for Matrix-Assisted Laser Desorption/Ionization in Imaging Mass Spectrometry. Analytical Chemistry, 2006, 78, 8227-8235. | 3.2 | 110 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | 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 & BSJ) Tj ETQq1 1 0.784314 rgBT /C | 0.0 | 0 |
| 128 | Thin Sectioning Improves the Peak Intensity and Signal-to-Noise Ratio in Direct Tissue Mass Spectrometry. Journal of the Mass Spectrometry Society of Japan, 2006, 54, 45-48. | 0.0 | 79 |