

Mitsutoshi Setou

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.

262
papers

8,746
citations

53
h-index

83
g-index

279
ext. papers

9,786
ext. citations

4.9
avg, IF

5.92
L-index

#	Paper	IF	Citations
262	NAD Levels Are Augmented in Aortic Tissue of ApoE Mice by Dietary Omega-3 Fatty Acids.. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022 , ATVBaha121317166	9.4	0
261	Ubiquitin-like 3 as a new protein-sorting factor for small extracellular vesicles.. <i>Cell Structure and Function</i> , 2022 , 47, 1-18	2.2	0
260	Stress upregulates 2-arachidonoylglycerol levels in the hypothalamus, midbrain, and hindbrain, and it is sustained by green nut oil supplementation in SAMP8 mice revealed by DESI-MSI.. <i>Biochemical and Biophysical Research Communications</i> , 2022 , 609, 9-14	3.4	1
259	The association between the clinical severity of heart failure and docosahexaenoic acid accumulation in hypertrophic cardiomyopathy.. <i>BMC Research Notes</i> , 2022 , 15, 139	2.3	0
258	Effects of long-acting muscarinic antagonists on promoting ciliary function in airway epithelium.. <i>BMC Pulmonary Medicine</i> , 2022 , 22, 186	3.5	1
257	Decreased sphingomyelin (t34:1) is a candidate predictor for lung squamous cell carcinoma recurrence after radical surgery: a case-control study. <i>BMC Cancer</i> , 2021 , 21, 1232	4.8	0
256	Desorption ionization using through-hole alumina membrane offers higher reproducibility than 2,5-dihydroxybenzoic acid, a widely used matrix in Fourier transform ion cyclotron resonance mass spectrometry imaging analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2021 , 35, e9076	2.2	4
255	Ephrin Receptor A4 Expression Enhances Migration, Invasion and Neurotropism in Pancreatic Ductal Adenocarcinoma Cells. <i>Anticancer Research</i> , 2021 , 41, 1733-1744	2.3	1
254	Mass spectrometry in the lipid study of cancer. <i>Expert Review of Proteomics</i> , 2021 , 18, 201-219	4.2	4
253	FABP5 Is a Sensitive Marker for Lipid-Rich Macrophages in the Luminal Side of Atherosclerotic Lesions. <i>International Heart Journal</i> , 2021 , 62, 666-676	1.8	0
252	A single oral supplementation of nicotinamide within the daily tolerable upper level increases blood NAD+ levels in healthy subjects. <i>Translational Medicine of Aging</i> , 2021 , 5, 43-51	2.7	1
251	Possible correlated variation of GABA receptor β expression with hippocampal cholinergic neurostimulating peptide precursor protein in the hippocampus. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 542, 80-86	3.4	1
250	The human vermilion surface contains a rich amount of cholesterol sulfate than the skin. <i>Journal of Dermatological Science</i> , 2021 , 103, 143-150	4.3	2
249	STING, a cytosolic DNA sensor, plays a critical role in atherogenesis: a link between innate immunity and chronic inflammation caused by lifestyle-related diseases. <i>European Heart Journal</i> , 2021 , 42, 4336-4348	9.5	4
248	Mass Spectrometry Imaging for Glycome in the Brain. <i>Frontiers in Neuroanatomy</i> , 2021 , 15, 711955	3.6	4
247	High-fat diet induces a predisposition to follicular hyperkeratosis and neutrophilic folliculitis in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 148, 473-485.e10	11.5	0
246	The stability of the metabolic turnover of arachidonic acid in human unruptured intracranial aneurysmal walls is sustained. <i>Clinical Neurology and Neurosurgery</i> , 2021 , 208, 106881	2	1

245	Pharmacokinetic study of Ninjinjioeito: Absorption and brain distribution of Ninjinjioeito ingredients in mice. <i>Journal of Ethnopharmacology</i> , 2021 , 279, 114332	5	2
244	Tubulin/microtubules as novel clozapine targets.. <i>Neuropsychopharmacology Reports</i> , 2021 ,	2.2	1
243	Hypertrophy of the ligamentum flavum in lumbar spinal canal stenosis is associated with abnormal accumulation of specific lipids. <i>Scientific Reports</i> , 2021 , 11, 23515	4.9	1
242	A nonrandomized study of single oral supplementation within the daily tolerable upper level of nicotinamide affects blood nicotinamide and NAD+ levels in healthy subjects. <i>Translational Medicine of Aging</i> , 2020 , 4, 45-54	2.7	3
241	Brain distribution of geissoschizine methyl ether in rats using mass spectrometry imaging analysis. <i>Scientific Reports</i> , 2020 , 10, 7293	4.9	5
240	Region-specific effects of Scrapper on the abundance of glutamate and gamma-aminobutyric acid in the mouse brain. <i>Scientific Reports</i> , 2020 , 10, 7435	4.9	8
239	Impaired mucociliary motility enhances antigen-specific nasal IgA immune responses to a cholera toxin-based nasal vaccine. <i>International Immunology</i> , 2020 , 32, 559-568	4.9	2
238	Green Nut Oil or DHA Supplementation Restored Decreased Distribution Levels of DHA Containing Phosphatidylcholines in the Brain of a Mouse Model of Dementia. <i>Metabolites</i> , 2020 , 10,	5.6	9
237	Higher Accumulation of Docosahexaenoic Acid in the Vermilion of the Human Lip than in the Skin. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
236	Potential role of transforming growth factor-beta 1/Smad signaling in secondary lymphedema after cancer surgery. <i>Cancer Science</i> , 2020 , 111, 2620-2634	6.9	6
235	The potential of Tenascin C in the tumor-nerve microenvironment to enhance perineural invasion and correlate with locoregional recurrence-related poor prognosis in pancreatic ductal adenocarcinoma.. <i>Journal of Clinical Oncology</i> , 2020 , 38, 748-748	2.2	
234	Mass spectrometry-based phospholipid imaging: methods and findings. <i>Expert Review of Proteomics</i> , 2020 , 17, 843-854	4.2	3
233	Development of sheet-enhanced technique (Set) method for matrix-assisted laser desorption/ionization imaging mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34, e8703	2.2	2
232	Mass spectrometry imaging reveals glycine distribution in the developing and adult mouse brain. <i>Journal of Chemical Neuroanatomy</i> , 2020 , 110, 101869	3.2	2
231	Influenza A virus enhances ciliary activity and mucociliary clearance via TLR3 in airway epithelium. <i>Respiratory Research</i> , 2020 , 21, 282	7.3	5
230	Sphingomyelin(d35:1) as a novel predictor for lung adenocarcinoma recurrence after a radical surgery: a case-control study. <i>BMC Cancer</i> , 2020 , 20, 800	4.8	8
229	Unsupervised machine learning using an imaging mass spectrometry dataset automatically reassembles grey and white matter. <i>Scientific Reports</i> , 2019 , 9, 13213	4.9	7
228	MALDI imaging mass spectrometry revealed atropine distribution in the ocular tissues and its transit from anterior to posterior regions in the whole-eye of rabbit after topical administration. <i>PLoS ONE</i> , 2019 , 14, e0211376	3.7	9

227	Pilot study of measurement method of skin transparency using smartphone camera. <i>Skin Research and Technology</i> , 2019 , 25, 906-908	1.9	0
226	N-3 fatty acids modulate repeated stress-evoked pain chronicity. <i>Brain Research</i> , 2019 , 1714, 218-226	3.7	4
225	Change in Brain Plasmalogen Composition by Exposure to Prenatal Undernutrition Leads to Behavioral Impairment of Rats. <i>Journal of Neuroscience</i> , 2019 , 39, 7689-7702	6.6	2
224	Preferential Incorporation of Administered Eicosapentaenoic Acid Into Thin-Cap Atherosclerotic Plaques. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 1802-1816	9.4	23
223	Analysis of potential anti-aging beverage Pru, a traditional Cuban refreshment, by desorption electrospray ionization-mass spectrometry and FTICR tandem mass spectrometry. <i>Journal of Food and Drug Analysis</i> , 2019 , 27, 833-840	7	7
222	Detection of a High-Turnover Serotonin Circuit in the Mouse Brain Using Mass Spectrometry Imaging. <i>iScience</i> , 2019 , 20, 359-372	6.1	17
221	Dietary Intake of Green Nut Oil or DHA Ameliorates DHA Distribution in the Brain of a Mouse Model of Dementia Accompanied by Memory Recovery. <i>Nutrients</i> , 2019 , 11,	6.7	10
220	Discovery of lipid biomarkers correlated with disease progression in clear cell renal cell carcinoma using desorption electrospray ionization imaging mass spectrometry. <i>Oncotarget</i> , 2019 , 10, 1688-1703	3.3	24
219	Structural Biology of Glycans 2019 , 35-63		
218	Lysophosphatidic acid precursor levels decrease and an arachidonic acid-containing phosphatidylcholine level increases in the dorsal root ganglion of mice after peripheral nerve injury. <i>Neuroscience Letters</i> , 2019 , 698, 69-75	3.3	6
217	Profiling and Imaging of Phospholipids in Brains of Abcd1-Deficient Mice. <i>Lipids</i> , 2018 , 53, 85-102	1.6	19
216	Stearate-to-palmitate ratio modulates endoplasmic reticulum stress and cell apoptosis in non-B non-C hepatoma cells. <i>Cancer Science</i> , 2018 , 109, 1110-1120	6.9	6
215	Impaired airway mucociliary function reduces antigen-specific IgA immune response to immunization with a claudin-4-targeting nasal vaccine in mice. <i>Scientific Reports</i> , 2018 , 8, 2904	4.9	6
214	Glycosphingolipid metabolic reprogramming drives neural differentiation. <i>EMBO Journal</i> , 2018 , 37,	13	36
213	Imaging mass spectroscopy delineates the thinned and thickened walls of intracranial aneurysms. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 495, 332-338	3.4	8
212	Visualization of Brain Gangliosides Using MALDI Imaging Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2018 , 1804, 223-229	1.4	5
211	Role of caveolin-1 in hepatocellular carcinoma arising from non-alcoholic fatty liver disease. <i>Cancer Science</i> , 2018 , 109, 2401-2411	6.9	12
210	A power law distribution of metabolite abundance levels in mice regardless of the time and spatial scale of analysis. <i>Scientific Reports</i> , 2018 , 8, 10315	4.9	4

209	Visualization of local phosphatidylcholine synthesis within hippocampal neurons using a compartmentalized culture system and imaging mass spectrometry. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 495, 1048-1054	3.4	12
208	Three-dimensional tracking of microbeads attached to the tip of single isolated tracheal cilia beating under external load. <i>Scientific Reports</i> , 2018 , 8, 15562	4.9	10
207	UBL3 modification influences protein sorting to small extracellular vesicles. <i>Nature Communications</i> , 2018 , 9, 3936	17.4	31
206	Distribution of Antisense Oligonucleotides in Rat Eyeballs Using MALDI Imaging Mass Spectrometry. <i>Mass Spectrometry</i> , 2018 , 7, A0070	1.7	12
205	Environmental responsiveness of tubulin glutamylation in sensory cilia is regulated by the p38 MAPK pathway. <i>Scientific Reports</i> , 2018 , 8, 8392	4.9	10
204	Increase in β tubulin modifications in the neuronal processes of hippocampal neurons in both kainic acid-induced epileptic seizure and Alzheimer's disease. <i>Scientific Reports</i> , 2017 , 7, 40205	4.9	23
203	Dynamic Remodeling of Membrane Composition Drives Cell Cycle through Primary Cilia Excision. <i>Cell</i> , 2017 , 168, 264-279.e15	56.2	172
202	Downregulation of GNA13-ERK network in prefrontal cortex of schizophrenia brain identified by combined focused and targeted quantitative proteomics. <i>Journal of Proteomics</i> , 2017 , 158, 31-42	3.9	23
201	Minos-insertion mutant of the Drosophila GBA gene homologue showed abnormal phenotypes of climbing ability, sleep and life span with accumulation of hydroxy-glucocerebroside. <i>Gene</i> , 2017 , 614, 49-55	3.8	13
200	Different desmin peptides are distinctly deposited in cytoplasmic aggregations and cytoplasm of desmin-related cardiomyopathy patients. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017 , 1865, 828-836	4	3
199	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	6.2	7
198	Selective improvement of peptides imaging on tissue by supercritical fluid wash of lipids for matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 1475-1480	4.4	7
197	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	4.9	12
196	Distribution Analysis via Mass Spectrometry Imaging of Ephedrine in the Lungs of Rats Orally Administered the Japanese Kampo Medicine Maoto. <i>Scientific Reports</i> , 2017 , 7, 44098	4.9	13
195	SCRAPPER Selectively Contributes to Spontaneous Release and Presynaptic Long-Term Potentiation in the Anterior Cingulate Cortex. <i>Journal of Neuroscience</i> , 2017 , 37, 3887-3895	6.6	15
194	Proper cytoskeletal architecture beneath the plasma membrane of red blood cells requires. <i>Molecular Biology of the Cell</i> , 2017 , 28, 535-544	3.5	5
193	Recurrent triple-negative breast cancer (TNBC) tissues contain a higher amount of phosphatidylcholine (32:1) than non-recurrent TNBC tissues. <i>PLoS ONE</i> , 2017 , 12, e0183724	3.7	24
192	The Distribution of Phosphatidylcholine Species in Superficial-Type Pharyngeal Carcinoma. <i>BioMed Research International</i> , 2017 , 2017, 5387913	3	3

191	Arachidonic acid containing phosphatidylcholine increases due to microglial activation in ipsilateral spinal dorsal horn following spared sciatic nerve injury. <i>PLoS ONE</i> , 2017 , 12, e0177595	3.7	10
190	Overexpression of Lysophosphatidylcholine Acyltransferase 1 and Concomitant Lipid Alterations in Gastric Cancer. <i>Annals of Surgical Oncology</i> , 2016 , 23 Suppl 2, S206-13	3.1	66
189	Insufficient Lymph Drainage Causes Abnormal Lipid Accumulation and Vein Wall Degeneration. <i>Annals of Vascular Diseases</i> , 2016 , 9, 277-284	0.9	9
188	Accumulation of arachidonic acid-containing phosphatidylinositol at the outer edge of colorectal cancer. <i>Scientific Reports</i> , 2016 , 6, 29935	4.9	34
187	Adipocyte in vascular wall can induce the rupture of abdominal aortic aneurysm. <i>Scientific Reports</i> , 2016 , 6, 31268	4.9	30
186	Development and Application of Imaging Mass Spectrometry. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2016 , 64, 201-218	0.2	
185	Ttl9 ^{-/-} mice sperm flagella show shortening of doublet 7, reduction of doublet 5 polyglutamylation and a stall in beating. <i>Journal of Cell Science</i> , 2016 , 129, 2757-66	5.3	28
184	Protease-resistant modified human Hexosaminidase B ameliorates symptoms in GM2 gangliosidosis model. <i>Journal of Clinical Investigation</i> , 2016 , 126, 1691-703	15.9	20
183	Visualization of sphingolipids and phospholipids in the fundic gland mucosa of human stomach using imaging mass spectrometry. <i>World Journal of Gastrointestinal Pathophysiology</i> , 2016 , 7, 235-41	3.2	12
182	Characteristic Distribution Pattern of Lysophosphatidylcholine in Fibromuscular Dysplasia-Associated Visceral Artery Aneurysms Compared with Atherosclerotic Visceral Artery Aneurysms. <i>Journal of Atherosclerosis and Thrombosis</i> , 2016 , 23, 673-80	4	7
181	Increased arachidonic acid-containing phosphatidylcholine is associated with reactive microglia and astrocytes in the spinal cord after peripheral nerve injury. <i>Scientific Reports</i> , 2016 , 6, 26427	4.9	17
180	Changes of fatty acids in phosphatidylcholine on sperm membrane during <i>Macrobrachium rosenbergii</i> sperm transit through spermatid duct and lipid analysis in spermatid vesicles. <i>Aquaculture</i> , 2016 , 456, 62-69	4.4	1
179	A novel organ culture model of aorta for vascular calcification. <i>Atherosclerosis</i> , 2016 , 244, 51-8	3.1	37
178	Nanoparticle-assisted laser desorption/ionization for metabolite imaging. <i>Methods in Molecular Biology</i> , 2015 , 1203, 159-73	1.4	11
177	Palmitic acid, verified by lipid profiling using secondary ion mass spectrometry, demonstrates anti-multiple myeloma activity. <i>Leukemia Research</i> , 2015 , 39, 638-45	2.7	12
176	Lipid Machinery Investigation Using MALDI Imaging Mass Spectrometry 2015 , 371-391		
175	Alzheimer's disease is associated with disordered localization of ganglioside GM1 molecular species in the human dentate gyrus. <i>FEBS Letters</i> , 2015 , 589, 3611-6	3.8	26
174	Ammonium Sulfate Improves Detection of Hydrophilic Quaternary Ammonium Compounds through Decreased Ion Suppression in Matrix-Assisted Laser Desorption/Ionization Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2015 , 87, 11176-81	7.8	21

173	PGC-1 β -mediated changes in phospholipid profiles of exercise-trained skeletal muscle. <i>Journal of Lipid Research</i> , 2015 , 56, 2286-96	6.3	37
172	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, 7589-602	4.4	9
171	Expression of indocyanine green-related transporters in hepatocellular carcinoma. <i>Journal of Surgical Research</i> , 2015 , 193, 567-76	2.5	32
170	Imaging Mass Spectrometry Reveals a Unique Distribution of Triglycerides in the Abdominal Aortic Aneurysmal Wall. <i>Journal of Vascular Research</i> , 2015 , 52, 127-35	1.9	31
169	Dietary β fatty acid exerts anti-allergic effect through the conversion to 17,18-epoxyeicosatetraenoic acid in the gut. <i>Scientific Reports</i> , 2015 , 5, 9750	4.9	84
168	Three-Dimensional Image of Cleavage Bodies in Nuclei Is Configured Using Gas Cluster Ion Beam with Time-of-Flight Secondary Ion Mass Spectrometry. <i>Scientific Reports</i> , 2015 , 5, 10000	4.9	5
167	Hypoperfusion of the Adventitial Vasa Vasorum Develops an Abdominal Aortic Aneurysm. <i>PLoS ONE</i> , 2015 , 10, e0134386	3.7	52
166	Decreased level of phosphatidylcholine (16:0/20:4) in multiple myeloma cells compared to plasma cells: a single-cell MALDI-IMS approach. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 5273-80	4.4	22
165	Variation of prostaglandin E2 concentrations in ovaries and its effects on ovarian maturation and oocyte proliferation in the giant fresh water prawn, <i>Macrobrachium rosenbergii</i> . <i>General and Comparative Endocrinology</i> , 2015 , 223, 129-38	3	15
164	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	10.6	71
163	Changes of phosphatidylcholine and fatty acids in germ cells during testicular maturation in three developmental male morphotypes of <i>Macrobrachium rosenbergii</i> revealed by imaging mass spectrometry. <i>PLoS ONE</i> , 2015 , 10, e0120412	3.7	5
162	Mechanical Stimulation by Postnasal Drip Evokes Cough. <i>PLoS ONE</i> , 2015 , 10, e0141823	3.7	5
161	Decrease in Sphingomyelin (d18:1/16:0) in Stem Villi and Phosphatidylcholine (16:0/20:4) in Terminal Villi of Human Term Placentas with Pathohistological Maternal Malperfusion. <i>PLoS ONE</i> , 2015 , 10, e0142609	3.7	9
160	Incompetent Lymph Drainage Causes Lipid Accumulation in Perivascular Tissue and Changes Vein Wall Structure. <i>The Japanese Journal of Phlebology</i> , 2015 , 26, 227-235	0.1	
159	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	4.9	89
158	Coronary triglyceride deposition in contemporary advanced diabetics. <i>Pathology International</i> , 2014 , 64, 325-35	1.8	18
157	38th Annual Meeting of the Japanese Society for Biomedical Mass Spectrometry (JSBMS): New Applications of Mass Spectrometry in Biomedicine. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 5749-50	4.4	
156	Increased phosphatidylcholine (16:0/16:0) in the folliculus lymphaticus of Warthin tumor. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 5815-25	4.4	7

155	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, 1699-706	4.6	19
154	1SEP-05 The cooperativity of neuronal molecules analyzed with imaging mass spectrometry(1SEP Cooperativity in shaping the nerve cell function,Symposium,The 52nd Annual Meeting of the Biophysical Society of Japan(BSJ2014)). <i>Seibutsu Butsuri</i> , 2014 , 54, S124	0	
153	Glutaraldehyde fixation method for single-cell lipid analysis by time-of-flight secondary ion-mass spectrometry. <i>Surface and Interface Analysis</i> , 2014 , 46, 185-188	1.5	8
152	Application of 2,5-dihydroxyacetophenone with sublimation provides efficient ionization of lipid species by atmospheric pressure matrix-assisted laser desorption/ionization imaging mass spectrometry. <i>Surface and Interface Analysis</i> , 2014 , 46, 1219-1222	1.5	12
151	Single cell lipidomics of SKBR-3 breast cancer cells by using time-of-flight secondary-ion mass spectrometry. <i>Surface and Interface Analysis</i> , 2014 , 46, 181-184	1.5	13
150	Single-cell time-of-flight secondary ion mass spectrometry reveals that human breast cancer stem cells have significantly lower content of palmitoleic acid compared to their counterpart non-stem cancer cells. <i>Biochimie</i> , 2014 , 107 Pt A, 73-7	4.6	22
149	Matrix-assisted laser desorption/ionization imaging mass spectrometry revealed traces of dental problem associated with dental structure. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 1355-63	4.4	10
148	Imaging mass spectrometry distinguished the cancer and stromal regions of oral squamous cell carcinoma by visualizing phosphatidylcholine (16:0/16:1) and phosphatidylcholine (18:1/20:4). <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 1307-16	4.4	25
147	Palmitic Acid, As Verified Using Lipid Profiling By Secondary Ion Mass Spectrometry, Demonstrates Anti-Tumor Activity Against Multiple Myeloma. <i>Blood</i> , 2014 , 124, 5683-5683	2.2	0
146	Lymphangiogenesis and angiogenesis in abdominal aortic aneurysm. <i>PLoS ONE</i> , 2014 , 9, e89830	3.7	31
145	Accumulated phosphatidylcholine (16:0/16:1) in human colorectal cancer; possible involvement of LPCAT4. <i>Cancer Science</i> , 2013 , 104, 1295-302	6.9	71
144	Lysophosphatidylcholine acyltransferase 1 altered phospholipid composition and regulated hepatoma progression. <i>Journal of Hepatology</i> , 2013 , 59, 292-9	13.4	92
143	Cilostazol inhibits accumulation of triglycerides in a rat model of carotid artery ligation. <i>Journal of Vascular Surgery</i> , 2013 , 58, 1366-74	3.5	9
142	Barrier abnormality due to ceramide deficiency leads to psoriasiform inflammation in a mouse model. <i>Journal of Investigative Dermatology</i> , 2013 , 133, 2555-2565	4.3	41
141	Lipidomics analysis revealed the phospholipid compositional changes in muscle by chronic exercise and high-fat diet. <i>Scientific Reports</i> , 2013 , 3, 3267	4.9	59
140	Visualization of phosphatidylcholine (16:0/16:0) in type II alveolar epithelial cells in the human lung using imaging mass spectrometry. <i>Pathology International</i> , 2013 , 63, 195-200	1.8	11
139	Cytosolic carboxypeptidase 5 removes α - and β -linked glutamates from tubulin. <i>Journal of Biological Chemistry</i> , 2013 , 288, 30445-30453	5.4	31
138	Adventitial vasa vasorum arteriosclerosis in abdominal aortic aneurysm. <i>PLoS ONE</i> , 2013 , 8, e57398	3.7	50

137	Expression of human Gaucher disease gene GBA generates neurodevelopmental defects and ER stress in Drosophila eye. <i>PLoS ONE</i> , 2013 , 8, e69147	3.7	31
136	MALDI Imaging Mass Spectrometry-A Mini Review of Methods and Recent Developments. <i>Mass Spectrometry</i> , 2013 , 2, S0022	1.7	36
135	Human breast cancer tissues contain abundant phosphatidylcholine(36:1) with high stearoyl-CoA desaturase-1 expression. <i>PLoS ONE</i> , 2013 , 8, e61204	3.7	90
134	Imaging mass spectrometry evaluation of the effects of various irrigation fluids in a rat model of postoperative cerebral edema. <i>World Neurosurgery</i> , 2012 , 77, 153-9	2.1	6
133	Identification of oligosaccharides from histopathological sections by MALDI imaging mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 1921-30	4.4	9
132	CEP41 is mutated in Joubert syndrome and is required for tubulin glutamylation at the cilium. <i>Nature Genetics</i> , 2012 , 44, 193-9	36.3	123
131	Visualization of neuropeptides in paraffin-embedded tissue sections of the central nervous system in the decapod crustacean, <i>Penaeus monodon</i> , by imaging mass spectrometry. <i>Peptides</i> , 2012 , 34, 10-8	3.8	23
130	Loss of lymphatic vessels and regional lipid accumulation is associated with great saphenous vein incompetence. <i>Journal of Vascular Surgery</i> , 2012 , 55, 1440-8	3.5	22
129	Imaging Mass Spectrometry (IMS) for Biological Application 2012 , 41-83		
128	Imaging Mass Spectrometry. <i>Advances in Imaging and Electron Physics</i> , 2012 , 145-193	0.2	3
127	Composition and localization of lipids in <i>Penaeus merguensis</i> ovaries during the ovarian maturation cycle as revealed by imaging mass spectrometry. <i>PLoS ONE</i> , 2012 , 7, e33154	3.7	19
126	Increased expression of phosphatidylcholine (16:0/18:1) and (16:0/18:2) in thyroid papillary cancer. <i>PLoS ONE</i> , 2012 , 7, e48873	3.7	66
125	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	3.7	26
124	Imaging mass spectrometry reveals changes of metabolites distribution in mouse testis during testicular maturation. <i>Surface and Interface Analysis</i> , 2012 , 44, 749-754	1.5	9
123	Axonal gradient of arachidonic acid-containing phosphatidylcholine and its dependence on actin dynamics. <i>Journal of Biological Chemistry</i> , 2012 , 287, 5290-300	5.4	36
122	High-resolution multi-isotope imaging mass spectrometry enables visualisation of stem cell division and metabolism. <i>ChemBioChem</i> , 2012 , 13, 1103-6	3.8	3
121	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, 1863-71	4.4	34
120	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

119	Spatiotemporal alteration of phospholipids and prostaglandins in a rat model of spinal cord injury. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 1873-84	4.4	36
118	Visualization of acetylcholine distribution in central nervous system tissue sections by tandem imaging mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 1851-61	4.4	58
117	Ciliary and flagellar structure and function--their regulations by posttranslational modifications of axonemal tubulin. <i>International Review of Cell and Molecular Biology</i> , 2012 , 294, 133-70	6	34
116	SCRAPPER regulates the thresholds of long-term potentiation/depression, the bidirectional synaptic plasticity in hippocampal CA3-CA1 synapses. <i>Neural Plasticity</i> , 2012 , 2012, 352829	3.3	10
115	3PS028 Information analysis by visualizing Shannon entropy using Imaging Mass Spectrometric data(The 50th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2012 , 52, S150-S151 ^o		
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