

# Mitsutoshi Setou

## List of Publications by Citations

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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	Glutamate-receptor-interacting protein GRIP1 directly steers kinesin to dendrites. <i>Nature</i> , <b>2002</b> , 417, 83-7	50.4	414
261	Tubulin tyrosination navigates the kinesin-1 motor domain to axons. <i>Nature Neuroscience</i> , <b>2009</b> , 12, 559-67.5	67.5	289
260	A novel motor, KIF13A, transports mannose-6-phosphate receptor to plasma membrane through direct interaction with AP-1 complex. <i>Cell</i> , <b>2000</b> , 103, 569-81	56.2	225
259	Loss of alpha-tubulin polyglutamylation in ROSA22 mice is associated with abnormal targeting of KIF1A and modulated synaptic function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 3213-8	11.5	183
258	Dynamic Remodeling of Membrane Composition Drives Cell Cycle through Primary Cilia Excision. <i>Cell</i> , <b>2017</b> , 168, 264-279.e15	56.2	172
257	Visualization of the cell-selective distribution of PUFA-containing phosphatidylcholines in mouse brain by imaging mass spectrometry. <i>Journal of Lipid Research</i> , <b>2009</b> , 50, 1776-88	6.3	169
256	SCRAPPER-dependent ubiquitination of active zone protein RIM1 regulates synaptic vesicle release. <i>Cell</i> , <b>2007</b> , 130, 943-57	56.2	167
255	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> , <b>2007</b> , 855, 98-103	3.2	153
254	Nanoparticle-assisted laser desorption/ionization based mass imaging with cellular resolution. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 4761-6	7.8	148
253	Mass imaging and identification of biomolecules with MALDI-QIT-TOF-based system. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 878-85	7.8	144
252	KIFC3, a microtubule minus end-directed motor for the apical transport of annexin XIIIb-associated Triton-insoluble membranes. <i>Journal of Cell Biology</i> , <b>2001</b> , 155, 77-88	7.3	134
251	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> , <b>2008</b> , 3, e3232	3.7	127
250	Imaging mass spectrometry for visualization of drug and endogenous metabolite distribution: toward in situ pharmacometabolomes. <i>Journal of NeuroImmune Pharmacology</i> , <b>2010</b> , 5, 31-43	6.9	124
249	CEP41 is mutated in Joubert syndrome and is required for tubulin glutamylation at the cilium. <i>Nature Genetics</i> , <b>2012</b> , 44, 193-9	36.3	123
248	Imaging mass spectrometry for lipidomics. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2011</b> , 1811, 961-9	5	123
247	TLL7 is a mammalian beta-tubulin polyglutamylase required for growth of MAP2-positive neurites. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 30707-16	5.4	118
246	Visualization of volatile substances in different organelles with an atmospheric-pressure mass microscope. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 9153-7	7.8	112

245	Tubulin polyglutamylaton is essential for airway ciliary function through the regulation of beating asymmetry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 10490-5	11.5	110
244	Application of imaging mass spectrometry for the analysis of <i>Oryza sativa</i> rice. <i>Rapid Communications in Mass Spectrometry</i> , <b>2010</b> , 24, 2723-9	2.2	109
243	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> , <b>2008</b> , 22, 3415-26	2.2	107
242	Two-step matrix application technique to improve ionization efficiency for matrix-assisted laser desorption/ionization in imaging mass spectrometry. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 8227-35	7.8	105
241	Imaging mass spectrometry with silver nanoparticles reveals the distribution of fatty acids in mouse retinal sections. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2010</b> , 21, 1446-54	3.5	95
240	Neuroaxonal dystrophy in calcium-independent phospholipase A2 deficiency results from insufficient remodeling and degeneration of mitochondrial and presynaptic membranes. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 11411-20	6.6	94
239	Paradoxical ATP elevation in ischemic penumbra revealed by quantitative imaging mass spectrometry. <i>Antioxidants and Redox Signaling</i> , <b>2010</b> , 13, 1157-67	8.4	93
238	Lysophosphatidylcholine acyltransferase 1 altered phospholipid composition and regulated hepatoma progression. <i>Journal of Hepatology</i> , <b>2013</b> , 59, 292-9	13.4	92
237	Human breast cancer tissues contain abundant phosphatidylcholine(36:1) with high stearoyl-CoA desaturase-1 expression. <i>PLoS ONE</i> , <b>2013</b> , 8, e61204	3.7	90
236	DHA-PC and PSD-95 decrease after loss of synaptophysin and before neuronal loss in patients with Alzheimer's disease. <i>Scientific Reports</i> , <b>2014</b> , 4, 7130	4.9	89
235	SAD: a presynaptic kinase associated with synaptic vesicles and the active zone cytomatrix that regulates neurotransmitter release. <i>Neuron</i> , <b>2006</b> , 50, 261-75	13.9	88
234	Dietary $\beta$ fatty acid exerts anti-allergic effect through the conversion to 17,18-epoxyeicosatetraenoic acid in the gut. <i>Scientific Reports</i> , <b>2015</b> , 5, 9750	4.9	84
233	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. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 7283-9	7.8	83
232	Imaging mass spectrometry of gastric carcinoma in formalin-fixed paraffin-embedded tissue microarray. <i>Cancer Science</i> , <b>2010</b> , 101, 267-73	6.9	83
231	Identification of tubulin deglutamylase among <i>Caenorhabditis elegans</i> and mammalian cytosolic carboxypeptidases (CCPs). <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 22936-41	5.4	80
230	Accumulated phosphatidylcholine (16:0/16:1) in human colorectal cancer; possible involvement of LPCAT4. <i>Cancer Science</i> , <b>2013</b> , 104, 1295-302	6.9	71
229	Mode of Bioenergetic Metabolism during B Cell Differentiation in the Intestine Determines the Distinct Requirement for Vitamin B1. <i>Cell Reports</i> , <b>2015</b> , 13, 122-131	10.6	71
228	Overexpression of Lysophosphatidylcholine Acyltransferase 1 and Concomitant Lipid Alterations in Gastric Cancer. <i>Annals of Surgical Oncology</i> , <b>2016</b> , 23 Suppl 2, S206-13	3.1	66

227	Increased expression of phosphatidylcholine (16:0/18:1) and (16:0/18:2) in thyroid papillary cancer. <i>PLoS ONE</i> , <b>2012</b> , 7, e48873	3.7	66
226	The specific localization of seminolipid molecular species on mouse testis during testicular maturation revealed by imaging mass spectrometry. <i>Glycobiology</i> , <b>2009</b> , 19, 950-7	5.8	65
225	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> , <b>2006</b> , 54, 45-48	0.2	65
224	Organ-specific distributions of lysophosphatidylcholine and triacylglycerol in mouse embryo. <i>Lipids</i> , <b>2009</b> , 44, 837-48	1.6	63
223	In situ proteomics with imaging mass spectrometry and principal component analysis in the Scrapper-knockout mouse brain. <i>Proteomics</i> , <b>2008</b> , 8, 3692-701	4.8	63
222	Visualization of spatiotemporal energy dynamics of hippocampal neurons by mass spectrometry during a kainate-induced seizure. <i>PLoS ONE</i> , <b>2011</b> , 6, e17952	3.7	63
221	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> , <b>2012</b> , 403, 1885-95	4.4	60
220	Matrix-assisted laser desorption/ionization imaging mass spectrometry. <i>International Journal of Molecular Sciences</i> , <b>2010</b> , 11, 5040-55	6.3	60
219	Visualization of spatial distribution of gamma-aminobutyric acid in eggplant ( <i>Solanum melongena</i> ) by matrix-assisted laser desorption/ionization imaging mass spectrometry. <i>Analytical Sciences</i> , <b>2010</b> , 26, 821-5	1.7	60
218	Lipidomics analysis revealed the phospholipid compositional changes in muscle by chronic exercise and high-fat diet. <i>Scientific Reports</i> , <b>2013</b> , 3, 3267	4.9	59
217	Imaging mass spectrometry-based histopathologic examination of atherosclerotic lesions. <i>Atherosclerosis</i> , <b>2011</b> , 217, 427-32	3.1	59
216	Visualization of acetylcholine distribution in central nervous system tissue sections by tandem imaging mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 403, 1851-61	4.4	58
215	Fbxo45, a novel ubiquitin ligase, regulates synaptic activity. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 3840-3849	5.4	58
214	Selective imaging of positively charged polar and nonpolar lipids by optimizing matrix solution composition. <i>Rapid Communications in Mass Spectrometry</i> , <b>2009</b> , 23, 3269-78	2.2	58
213	Semi-quantitative analyses of metabolic systems of human colon cancer metastatic xenografts in livers of superimmunodeficient NOG mice. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 400, 1895-904	4.4	57
212	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> , <b>2010</b> , 21, 1940-3	3.5	56
211	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> , <b>2008</b> , 870, 74-83	3.2	55
210	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> , <b>2011</b> , 400, 1933-43	4.4	54

209	Functionalized nano-magnetic particles for an in vivo delivery system. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2007</b> , 7, 937-44	1.3	53
208	Hypoperfusion of the Adventitial Vasa Vasorum Develops an Abdominal Aortic Aneurysm. <i>PLoS ONE</i> , <b>2015</b> , 10, e0134386	3.7	52
207	New approach for glyco- and lipidomics--molecular scanning of human brain gangliosides by TLC-Blot and MALDI-QIT-TOF MS. <i>Journal of Neurochemistry</i> , <b>2011</b> , 116, 678-83	6	51
206	Adventitial vasa vasorum arteriosclerosis in abdominal aortic aneurysm. <i>PLoS ONE</i> , <b>2013</b> , 8, e57398	3.7	50
205	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> , <b>2009</b> , 1216, 7096-101	4.5	50
204	Ionic matrix for enhanced MALDI imaging mass spectrometry for identification of phospholipids in mouse liver and cerebellum tissue sections. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 8800-6	7.8	50
203	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> , <b>2009</b> , 42, 16-23	2.3	49
202	Unique post-translational modifications in specialized microtubule architecture. <i>Cell Structure and Function</i> , <b>2010</b> , 35, 15-22	2.2	48
201	Imaging of metabolites by MALDI mass spectrometry. <i>Journal of Oleo Science</i> , <b>2009</b> , 58, 415-9	1.6	47
200	Direct MS/MS analysis in mammalian tissue sections using MALDI-QIT-TOFMS and chemical inkjet technology. <i>Surface and Interface Analysis</i> , <b>2006</b> , 38, 1712-1714	1.5	46
199	Amino acid transporter ATA2 is stored at the trans-Golgi network and released by insulin stimulus in adipocytes. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 39273-84	5.4	43
198	Selective analysis of lipids by thin-layer chromatography blot matrix-assisted laser desorption/ionization imaging mass spectrometry. <i>Journal of Oleo Science</i> , <b>2011</b> , 60, 93-8	1.6	42
197	TTLL10 is a protein polyglycylase that can modify nucleosome assembly protein 1. <i>FEBS Letters</i> , <b>2008</b> , 582, 1129-34	3.8	42
196	A novel chalcone polyphenol inhibits the deacetylase activity of SIRT1 and cell growth in HEK293T cells. <i>Journal of Pharmacological Sciences</i> , <b>2008</b> , 108, 364-71	3.7	42
195	Transcriptome analysis reveals the population of dendritic RNAs and their redistribution by neural activity. <i>Neuroscience Research</i> , <b>2007</b> , 57, 411-23	2.9	42
194	A Novel Approach to in situ Proteome Analysis Using Chemical Inkjet Printing Technology and MALDI-QIT-TOF Tandem Mass Spectrometer. <i>Journal of the Mass Spectrometry Society of Japan</i> , <b>2006</b> , 54, 133-140	0.2	42
193	Barrier abnormality due to ceramide deficiency leads to psoriasiform inflammation in a mouse model. <i>Journal of Investigative Dermatology</i> , <b>2013</b> , 133, 2555-2565	4.3	41
192	TTLL10 can perform tubulin glycylation when co-expressed with TTLL8. <i>FEBS Letters</i> , <b>2009</b> , 583, 1957-63	3.8	40

191	Regulation of amino acid transporter ATA2 by ubiquitin ligase Nedd4-2. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 35922-30	5.4	39
190	PGC-1 $\beta$ -mediated changes in phospholipid profiles of exercise-trained skeletal muscle. <i>Journal of Lipid Research</i> , <b>2015</b> , 56, 2286-96	6.3	37
189	SIRT1 Regulates Thyroid-Stimulating Hormone Release by Enhancing PIP5K $\gamma$ Activity through Deacetylation of Specific Lysine Residues in Mammals. <i>PLoS ONE</i> , <b>2010</b> , 5, e11755	3.7	37
188	A novel organ culture model of aorta for vascular calcification. <i>Atherosclerosis</i> , <b>2016</b> , 244, 51-8	3.1	37
187	Glycosphingolipid metabolic reprogramming drives neural differentiation. <i>EMBO Journal</i> , <b>2018</b> , 37,	13	36
186	Axonal gradient of arachidonic acid-containing phosphatidylcholine and its dependence on actin dynamics. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 5290-300	5.4	36
185	Spatiotemporal alteration of phospholipids and prostaglandins in a rat model of spinal cord injury. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 403, 1873-84	4.4	36
184	MALDI Imaging Mass Spectrometry-A Mini Review of Methods and Recent Developments. <i>Mass Spectrometry</i> , <b>2013</b> , 2, S0022	1.7	36
183	Accumulation of arachidonic acid-containing phosphatidylinositol at the outer edge of colorectal cancer. <i>Scientific Reports</i> , <b>2016</b> , 6, 29935	4.9	34
182	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> , <b>2012</b> , 403, 1863-71	4.4	34
181	Ciliary and flagellar structure and function—their regulations by posttranslational modifications of axonemal tubulin. <i>International Review of Cell and Molecular Biology</i> , <b>2012</b> , 294, 133-70	6	34
180	Salamander retina phospholipids and their localization by MALDI imaging mass spectrometry at cellular size resolution. <i>Journal of Lipid Research</i> , <b>2011</b> , 52, 463-70	6.3	33
179	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> , <b>2010</b> , 43, 158-64	2.3	33
178	Sirtuin-mediated deacetylation pathway stabilizes Werner syndrome protein. <i>FEBS Letters</i> , <b>2008</b> , 582, 2479-83	3.8	33
177	Expression of indocyanine green-related transporters in hepatocellular carcinoma. <i>Journal of Surgical Research</i> , <b>2015</b> , 193, 567-76	2.5	32
176	Imaging Mass Spectrometry Reveals a Unique Distribution of Triglycerides in the Abdominal Aortic Aneurysmal Wall. <i>Journal of Vascular Research</i> , <b>2015</b> , 52, 127-35	1.9	31
175	Cytosolic carboxypeptidase 5 removes $\beta$ - and $\gamma$ -linked glutamates from tubulin. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 30445-30453	5.4	31
174	Expression of human Gaucher disease gene GBA generates neurodevelopmental defects and ER stress in <i>Drosophila</i> eye. <i>PLoS ONE</i> , <b>2013</b> , 8, e69147	3.7	31

173	Recombinant mammalian tubulin polyglutamylase TLL7 performs both initiation and elongation of polyglutamylation on beta-tubulin through a random sequential pathway. <i>Biochemistry</i> , <b>2009</b> , 48, 1084-93	3.3	31
172	Lymphangiogenesis and angiogenesis in abdominal aortic aneurysm. <i>PLoS ONE</i> , <b>2014</b> , 9, e89830	3.7	31
171	UBL3 modification influences protein sorting to small extracellular vesicles. <i>Nature Communications</i> , <b>2018</b> , 9, 3936	17.4	31
170	Adipocyte in vascular wall can induce the rupture of abdominal aortic aneurysm. <i>Scientific Reports</i> , <b>2016</b> , 6, 31268	4.9	30
169	Mass microscopy: high-resolution imaging mass spectrometry. <i>Journal of Electron Microscopy</i> , <b>2011</b> , 60, 47-56		30
168	Authenticity assessment of beef origin by principal component analysis of matrix-assisted laser desorption/ionization mass spectrometric data. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 400, 1865-74	4.4	29
167	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> , <b>2011</b> , 400, 1913-21	4.4	29
166	Tll9 <sup>-/-</sup> mice sperm flagella show shortening of doublet 7, reduction of doublet 5 polyglutamylation and a stall in beating. <i>Journal of Cell Science</i> , <b>2016</b> , 129, 2757-66	5.3	28
165	Principal component analysis of direct matrix-assisted laser desorption/ionization mass spectrometric data related to metabolites of fatty liver. <i>Journal of Oleo Science</i> , <b>2009</b> , 58, 267-73	1.6	28
164	Alzheimer $\beta$ disease is associated with disordered localization of ganglioside GM1 molecular species in the human dentate gyrus. <i>FEBS Letters</i> , <b>2015</b> , 589, 3611-6	3.8	26
163	Imaging mass spectrometry visualizes ceramides and the pathogenesis of Dorfman-Chanarin syndrome due to ceramide metabolic abnormality in the skin. <i>PLoS ONE</i> , <b>2012</b> , 7, e49519	3.7	26
162	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> , <b>2014</b> , 406, 1307-16	4.4	25
161	Developments and applications of mass microscopy. <i>Medical Molecular Morphology</i> , <b>2010</b> , 43, 1-5	2.3	25
160	Recurrent triple-negative breast cancer (TNBC) tissues contain a higher amount of phosphatidylcholine (32:1) than non-recurrent TNBC tissues. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183724	3.7	24
159	Imaging mass spectrometry analysis reveals an altered lipid distribution pattern in the tubular areas of hyper-IgA murine kidneys. <i>Experimental and Molecular Pathology</i> , <b>2011</b> , 91, 614-21	4.4	24
158	Mass Microscopy to Reveal Distinct Localization of Heme B (m/z 616) in Colon Cancer Liver Metastasis. <i>Journal of the Mass Spectrometry Society of Japan</i> , <b>2007</b> , 55, 145-148	0.2	24
157	Synaptic E3 ligase SCRAPPER in contextual fear conditioning: extensive behavioral phenotyping of Scrapper heterozygote and overexpressing mutant mice. <i>PLoS ONE</i> , <b>2011</b> , 6, e17317	3.7	24
156	Discovery of lipid biomarkers correlated with disease progression in clear cell renal cell carcinoma using desorption electrospray ionization imaging mass spectrometry. <i>Oncotarget</i> , <b>2019</b> , 10, 1688-1703	3.3	24

155	Increase in $\beta$ tubulin modifications in the neuronal processes of hippocampal neurons in both kainic acid-induced epileptic seizure and Alzheimer's disease. <i>Scientific Reports</i> , <b>2017</b> , 7, 40205	4.9	23
154	Downregulation of GNA13-ERK network in prefrontal cortex of schizophrenia brain identified by combined focused and targeted quantitative proteomics. <i>Journal of Proteomics</i> , <b>2017</b> , 158, 31-42	3.9	23
153	Preferential Incorporation of Administered Eicosapentaenoic Acid Into Thin-Cap Atherosclerotic Plaques. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, 1802-1816	9.4	23
152	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> , <b>2012</b> , 34, 10-8	3.8	23
151	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> , <b>2015</b> , 407, 5273-80	4.4	22
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> , <b>2014</b> , 107 Pt A, 73-7	4.6	22
149	Loss of lymphatic vessels and regional lipid accumulation is associated with great saphenous vein incompetence. <i>Journal of Vascular Surgery</i> , <b>2012</b> , 55, 1440-8	3.5	22
148	Transmembrane and ubiquitin-like domain-containing protein 1 (Tmub1/HOPS) facilitates surface expression of GluR2-containing AMPA receptors. <i>PLoS ONE</i> , <b>2008</b> , 3, e2809	3.7	22
147	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> , <b>2015</b> , 87, 11176-81	7.8	21
146	Magnetic nanoparticle-based mass spectrometry for the detection of biomolecules in cultured cells. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 169-76	1.3	21
145	Imaging of lipids in cultured mammalian neurons by matrix assisted laser/desorption ionization and secondary ion mass spectrometry. <i>Surface and Interface Analysis</i> , <b>2010</b> , 42, 1606-1611	1.5	21
144	Cisplatin induces Sirt1 in association with histone deacetylation and increased Werner syndrome protein in the kidney. <i>Clinical and Experimental Nephrology</i> , <b>2011</b> , 15, 363-372	2.5	20
143	Protease-resistant modified human Hexosaminidase B ameliorates symptoms in GM2 gangliosidosis model. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 1691-703	15.9	20
142	Profiling and Imaging of Phospholipids in Brains of Abcd1-Deficient Mice. <i>Lipids</i> , <b>2018</b> , 53, 85-102	1.6	19
141	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> , <b>2014</b> , 1837, 1699-706	4.6	19
140	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> , <b>2012</b> , 7, e33154	3.7	19
139	Coronary triglyceride deposition in contemporary advanced diabetics. <i>Pathology International</i> , <b>2014</b> , 64, 325-35	1.8	18
138	Development of imaging mass spectrometry (IMS) dataset extractor software, IMS convolution. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 401, 183-93	4.4	18



137	Detection of a High-Turnover Serotonin Circuit in the Mouse Brain Using Mass Spectrometry Imaging. <i>IScience</i> , <b>2019</b> , 20, 359-372	6.1	17
136	Increased arachidonic acid-containing phosphatidylcholine is associated with reactive microglia and astrocytes in the spinal cord after peripheral nerve injury. <i>Scientific Reports</i> , <b>2016</b> , 6, 26427	4.9	17
135	Development of imaging mass spectrometry. <i>Biological and Pharmaceutical Bulletin</i> , <b>2012</b> , 35, 1417-24	2.3	16
134	SCRAPPER Selectively Contributes to Spontaneous Release and Presynaptic Long-Term Potentiation in the Anterior Cingulate Cortex. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 3887-3895	6.6	15
133	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> , <b>2015</b> , 223, 129-38	3	15
132	Distribution of phospholipid molecular species in autogenous access grafts for hemodialysis analyzed using imaging mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 400, 1873-80	4.4	15
131	Hypo-osmotic shock induces nuclear export and proteasome-dependent decrease of UBL5. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 350, 610-5	3.4	15
130	Mammalian cell nano structures visualized by cryo Hilbert differential contrast transmission electron microscopy. <i>Medical Molecular Morphology</i> , <b>2006</b> , 39, 176-80	2.3	15
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