

# Shelley N Jackson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3974128/publications.pdf>

Version: 2024-02-01

56  
papers

2,920  
citations

159585

30  
h-index

168389

53  
g-index

56  
all docs

56  
docs citations

56  
times ranked

2773  
citing authors

#	ARTICLE	IF	CITATIONS
1	MALDI-ion mobility-TOFMS imaging of lipids in rat brain tissue. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1093-1098.	1.6	236
2	Direct Profiling of Lipid Distribution in Brain Tissue Using MALDI-TOFMS. <i>Analytical Chemistry</i> , 2005, 77, 4523-4527.	6.5	216
3	In situ structural characterization of phosphatidylcholines in brain tissue using MALDI-MS/MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 2052-2056.	2.8	190
4	Direct tissue analysis of phospholipids in rat brain using MALDI-TOFMS and MALDI-ion mobility-TOFMS. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 133-138.	2.8	160
5	In situ structural characterization of glycerophospholipids and sulfatides in brain tissue using MALDI-MS/MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 17-26.	2.8	120
6	Astaxanthin reduces ischemic brain injury in adult rats. <i>FASEB Journal</i> , 2009, 23, 1958-1968.	0.5	119
7	Brain tissue lipidomics: Direct probing using matrix-assisted laser desorption/ionization mass spectrometry. <i>AAPS Journal</i> , 2006, 8, E391-E395.	4.4	115
8	Direct MALDI-MS analysis of cardiolipin from rat organs sections. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 567-577.	2.8	108
9	A study of phospholipids by ion mobility TOFMS. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1655-1662.	2.8	105
10	Imaging of lipids in rat heart by MALDI-MS with silver nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1377-1386.	3.7	88
11	Direct profiling of tissue lipids by MALDI-TOFMS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 2822-2829.	2.3	87
12	Mass spectrometry imaging of rat brain lipid profile changes over time following traumatic brain injury. <i>Journal of Neuroscience Methods</i> , 2016, 272, 19-32.	2.5	84
13	Localization and Analyses of Small Drug Molecules in Rat Brain Tissue Sections. <i>Analytical Chemistry</i> , 2005, 77, 6682-6686.	6.5	74
14	Gangliosides and Ceramides Change in a Mouse Model of Blast Induced Traumatic Brain Injury. <i>ACS Chemical Neuroscience</i> , 2013, 4, 594-600.	3.5	69
15	Phosphate Stabilization of Intermolecular Interactions. <i>Journal of Proteome Research</i> , 2006, 5, 122-126.	3.7	67
16	Molecular Microscopy of Brain Gangliosides: Illustrating their Distribution in Hippocampal Cell Layers. <i>ACS Chemical Neuroscience</i> , 2011, 2, 213-222.	3.5	66
17	Lipid imaging within the normal rat kidney using silver nanoparticles by matrix-assisted laser desorption/ionization mass spectrometry. <i>Kidney International</i> , 2015, 88, 186-192.	5.2	64
18	A Stargardt disease- $\epsilon 3$ mutation in the mouse <i>Elovl4</i> gene causes retinal deficiency of C32-C36 acyl phosphatidylcholines. <i>FEBS Letters</i> , 2007, 581, 5459-5463.	2.8	58

#	ARTICLE	IF	CITATIONS
19	Differential composition of DHA and very-long-chain PUFAs in rod and cone photoreceptors. <i>Journal of Lipid Research</i> , 2018, 59, 1586-1596.	4.2	56
20	Gangliosides' analysis by MALDI-ion mobility MS. <i>Analyst, The</i> , 2011, 136, 463-466.	3.5	51
21	MALDI-ion mobility mass spectrometry of lipids in negative ion mode. <i>Analytical Methods</i> , 2014, 6, 5001-5007.	2.7	46
22	AP-MALDI Mass Spectrometry Imaging of Gangliosides Using 2,6-Dihydroxyacetophenone. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1463-1472.	2.8	46
23	Metabolic profiling of <i>Escherichia coli</i> by ion mobility-mass spectrometry with MALDI ion source. <i>Journal of Mass Spectrometry</i> , 2010, 45, 1383-1393.	1.6	43
24	How Calmodulin Interacts with the Adenosine A <sub>2A</sub> and the Dopamine D <sub>2</sub> Receptors. <i>Journal of Proteome Research</i> , 2008, 7, 3428-3434.	3.7	42
25	Laser Desorption/Ionization Mass Spectrometric Imaging of Endogenous Lipids from Rat Brain Tissue Implanted with Silver Nanoparticles. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1716-1728.	2.8	41
26	Study of the Fragmentation Patterns of the Phosphate-Arginine Noncovalent Bond. <i>Journal of Proteome Research</i> , 2005, 4, 2360-2363.	3.7	40
27	Amazing Stability of Phosphate-Quaternary Amine Interactions. <i>Journal of Proteome Research</i> , 2008, 7, 3423-3427.	3.7	36
28	The use of ECD/ETD to identify the site of electrostatic interaction in noncovalent complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 176-179.	2.8	36
29	Decoy Peptides that Bind Dynorphin Noncovalently Prevent NMDA Receptor-Mediated Neurotoxicity. <i>Journal of Proteome Research</i> , 2006, 5, 1017-1023.	3.7	33
30	IR <sup>+</sup> MALDI <sup>+</sup> LDI Combined with Ion Mobility Orthogonal Time-of-Flight Mass Spectrometry. <i>Journal of Proteome Research</i> , 2006, 5, 1484-1487.	3.7	31
31	Chronic Ethanol Consumption Profoundly Alters Regional Brain Ceramide and Sphingomyelin Content in Rodents. <i>ACS Chemical Neuroscience</i> , 2015, 6, 247-259.	3.5	31
32	Mass Spectrometric Imaging of Ceramide Biomarkers Tracks Therapeutic Response in Traumatic Brain Injury. <i>ACS Chemical Neuroscience</i> , 2017, 8, 2266-2274.	3.5	30
33	Characterization of Coarse Particles Formed by Laser Ablation of MALDI Matrixes. <i>Journal of Physical Chemistry B</i> , 2003, 107, 13106-13110.	2.6	29
34	Sulfation, the Up-and-Coming Post-Translational Modification: Its Role and Mechanism in Protein-Protein Interaction. <i>Journal of Proteome Research</i> , 2007, 6, 1176-1182.	3.7	29
35	Acyl-CoA synthetase 6 enriches seminiferous tubules with the $\omega$ -3 fatty acid docosahexaenoic acid and is required for male fertility in the mouse. <i>Journal of Biological Chemistry</i> , 2019, 294, 14394-14405.	3.4	28
36	Matrix Addition by Condensation for Matrix-Assisted Laser Desorption/Ionization of Collected Aerosol Particles. <i>Analytical Chemistry</i> , 2002, 74, 4841-4844.	6.5	25

#	ARTICLE	IF	CITATIONS
37	Matrix-Implanted Laser Desorption/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 7288-7293.	6.5	25
38	On-line laser desorption/ionization mass spectrometry of matrix-coated aerosols. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 2041-2045.	1.5	23
39	Additive Effects of Endogenous Cannabinoid Anandamide and Ethanol on $\alpha 7$ -Nicotinic Acetylcholine Receptor-Mediated Responses in <i>Xenopus Oocytes</i> . <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 313, 1272-1280.	2.5	21
40	Macrophages Shed Excess Cholesterol in Unique Extracellular Structures Containing Cholesterol Microdomains. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 1504-1518.	2.4	21
41	The role of phosphorylated residues in peptide-peptide noncovalent complexes formation. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1535-1541.	2.8	20
42	On-Tissue Derivatization of Lipopolysaccharide for Detection of Lipid A Using MALDI-MSI. <i>Analytical Chemistry</i> , 2020, 92, 13667-13671.	6.5	15
43	Streamlined Analysis of Cardiolipins in Prokaryotic and Eukaryotic Samples Using a Norharmane Matrix by MALDI-MSI. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2495-2502.	2.8	14
44	A Snapshot of Tissue Glycerolipids. <i>Current Pharmaceutical Design</i> , 2007, 13, 3344-3356.	1.9	13
45	Infrared matrix-assisted laser desorption/ionization of polycyclic aromatic hydrocarbons with a sulfolane matrix. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1448-1452.	1.5	12
46	$\mu$ -Opioid receptor antagonism reverses heroin withdrawal-induced hyperalgesia in male and female rats. <i>Neurobiology of Stress</i> , 2021, 14, 100325.	4.0	12
47	MALDI/Post Ionization-Ion Mobility Mass Spectrometry of Noncovalent Complexes of Dopamine Receptors's Epitopes. <i>Journal of Proteome Research</i> , 2013, 12, 1668-1677.	3.7	9
48	Imaging of Noncovalent Complexes by MALDI-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1950-1956.	2.8	6
49	ETD and sequential ETD localize the residues involved in D2-A2A heteromerization. <i>RSC Advances</i> , 2014, 4, 42272-42277.	3.6	6
50	Ethanol Induced Brain Lipid Changes in Mice Assessed by Mass Spectrometry. <i>ACS Chemical Neuroscience</i> , 2016, 7, 1148-1156.	3.5	6
51	An In Vitro Study of Aromatic Stacking of Drug Molecules. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1199-1203.	2.8	6
52	Monitoring dynamic changes in lymph metabolome of fasting and fed rats by matrix-assisted laser desorption/ionization-ion mobility mass spectrometry (MALDI-IMMS). <i>International Journal for Ion Mobility Spectrometry</i> , 2013, 16, 177-184.	1.4	5
53	A nitrocellulose matrix for infrared matrix-assisted laser desorption/ionization of polycyclic aromatic hydrocarbons. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 228-230.	1.5	3
54	Cellular Membrane Phospholipids Act as a Depository for Quaternary Amine Containing Drugs thus Competing with the Acetylcholine/Nicotinic Receptor. <i>Journal of Proteome Research</i> , 2012, 11, 3382-3389.	3.7	3

#	ARTICLE	IF	CITATIONS
55	Sample Preparation in Biological Analysis by Atmospheric Pressure Matrix Assisted Laser/Desorption Ionization (AP-MALDI) Mass Spectrometry. , 2011, , 749-764.		1
56	The Authors Reply. Kidney International, 2016, 90, 1130-1131.	5.2	0