

# C Logan Mackay

## List of Publications by Year in descending order

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18  
papers

756  
citations

567281

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839539

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docs citations

18  
times ranked

1022  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass Spectrometry Imaging for Dissecting Steroid Intracrinology within Target Tissues. <i>Analytical Chemistry</i> , 2013, 85, 11576-11584.	6.5	109
2	Qualitative and Quantitative MALDI Imaging of the Positron Emission Tomography Ligands Raclopride (a D2 Dopamine Antagonist) and SCH 23390 (a D1 Dopamine Antagonist) in Rat Brain Tissue Sections Using a Solvent-Free Dry Matrix Application Method. <i>Analytical Chemistry</i> , 2011, 83, 9694-9701.	6.5	86
3	Mass Spectrometry Imaging of Cassette-Dosed Drugs for Higher Throughput Pharmacokinetic and Biodistribution Analysis. <i>Analytical Chemistry</i> , 2014, 86, 8473-8480.	6.5	82
4	Spatial Localization and Quantitation of Androgens in Mouse Testis by Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2016, 88, 10362-10367.	6.5	61
5	On-tissue chemical derivatization in mass spectrometry imaging. <i>Mass Spectrometry Reviews</i> , 2022, 41, 662-694.	5.4	54
6	Precursor ion independent algorithm for top-down shotgun proteomics. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 2154-2166.	2.8	52
7	Conductive carbon tape used for support and mounting of both whole animal and fragile heat-treated tissue sections for MALDI MS imaging and quantitation. <i>Journal of Proteomics</i> , 2012, 75, 4912-4920.	2.4	51
8	Identification of Two Reactive Cysteine Residues in the Tumor Suppressor Protein p53 Using Top-Down FTICR Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 888-897.	2.8	43
9	Mapping a Noncovalent Protein-Peptide Interface by Top-Down FTICR Mass Spectrometry Using Electron Capture Dissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 1432-1440.	2.8	36
10	Exemplifying the Screening Power of Mass Spectrometry Imaging over Label-Based Technologies for Simultaneous Monitoring of Drug and Metabolite Distributions in Tissue Sections. <i>Journal of Biomolecular Screening</i> , 2016, 21, 187-193.	2.6	33
11	MALDI Matrix Application Utilizing a Modified 3D Printer for Accessible High Resolution Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2018, 90, 8742-8749.	6.5	27
12	Matrix-free mass spectrometric imaging using laser desorption ionisation Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 969-972.	1.5	26
13	Spatial Localization of Vitamin D Metabolites in Mouse Kidney by Mass Spectrometry Imaging. <i>ACS Omega</i> , 2020, 5, 13430-13437.	3.5	25
14	Redox regulation of tumour suppressor protein p53: identification of the sites of hydrogen peroxide oxidation and glutathionylation. <i>Chemical Science</i> , 2013, 4, 1257.	7.4	21
15	Online Quench-Flow Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry for Elucidating Kinetic and Chemical Enzymatic Reaction Mechanisms. <i>Analytical Chemistry</i> , 2010, 82, 1897-1904.	6.5	17
16	Sensitive, Specific, and Quantitative FTICR Mass Spectrometry of Combinatorial Post-Translational Modifications in Intact Histone H4. <i>Analytical Chemistry</i> , 2008, 80, 4147-4153.	6.5	14
17	Mass spectrometry analysis of the oxidation states of the pro-oncogenic protein anterior gradient-2 reveals covalent dimerization via an intermolecular disulphide bond. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 551-561.	2.3	12
18	Native ion mobility mass spectrometry reveals that small organic acid fragments impart gas-phase stability to carbonic anhydrase II. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8570.	1.5	7