

John F Kellie

List of Publications by Citations

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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.

25
papers

1,164
citations

14
h-index

27
g-index

27
ext. papers

1,294
ext. citations

5.2
avg, IF

3.76
L-index

#	Paper	IF	Citations
25	Mapping intact protein isoforms in discovery mode using top-down proteomics. <i>Nature</i> , 2011 , 480, 254-8	30.4	520
24	Quantitative measurement of intact alpha-synuclein proteoforms from post-mortem control and Parkinson's disease brain tissue by intact protein mass spectrometry. <i>Scientific Reports</i> , 2014 , 4, 5797	4.9	89
23	Size-sorting combined with improved nanocapillary liquid chromatography-mass spectrometry for identification of intact proteins up to 80 kDa. <i>Analytical Chemistry</i> , 2010 , 82, 1234-44	7.8	83
22	A robust two-dimensional separation for top-down tandem mass spectrometry of the low-mass proteome. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 2183-91	3.5	81
21	The emerging process of Top Down mass spectrometry for protein analysis: biomarkers, protein-therapeutics, and achieving high throughput. <i>Molecular BioSystems</i> , 2010 , 6, 1532-9		79
20	Robust analysis of the yeast proteome under 50 kDa by molecular-mass-based fractionation and top-down mass spectrometry. <i>Analytical Chemistry</i> , 2012 , 84, 209-15	7.8	54
19	Intact mass detection, interpretation, and visualization to automate Top-Down proteomics on a large scale. <i>Proteomics</i> , 2010 , 10, 3589-97	4.8	44
18	Nano-LC FTICR tandem mass spectrometry for top-down proteomics: routine baseline unit mass resolution of whole cell lysate proteins up to 72 kDa. <i>Analytical Chemistry</i> , 2012 , 84, 2111-7	7.8	35
17	A whole-molecule immunocapture LC-MS approach for the in vivo quantitation of biotherapeutics. <i>Bioanalysis</i> , 2016 , 8, 2103-14	2.1	32
16	Toward best practices in data processing and analysis for intact biotherapeutics by MS in quantitative bioanalysis. <i>Bioanalysis</i> , 2017 , 9, 1883-1893	2.1	19
15	Application of high-resolution MS for development of peptide and large-molecule drug candidates. <i>Bioanalysis</i> , 2016 , 8, 169-77	2.1	18
14	2019 White Paper on Recent Issues in Bioanalysis: Chromatographic Assays (Part 1 - Innovation in Small Molecules and Oligonucleotides & Mass Spectrometric Method Development Strategies for Large Molecule Bioanalysis). <i>Bioanalysis</i> , 2019 , 11, 2029-2048	2.1	16
13	Drug monitoring by volumetric absorptive microsampling: method development considerations to mitigate hematocrit effects. <i>Bioanalysis</i> , 2018 , 10, 241-255	2.1	14
12	Review of approaches and examples for monitoring biotransformation in protein and peptide therapeutics by MS. <i>Bioanalysis</i> , 2018 ,	2.1	14
11	IQ consortium perspective: complementary LBA and LC-MS in protein therapeutics bioanalysis and biotransformation assessment. <i>Bioanalysis</i> , 2020 , 12, 257-270	2.1	11
10	Intact Protein Mass Spectrometry for Therapeutic Protein Quantitation, Pharmacokinetics, and Biotransformation in Preclinical and Clinical Studies: An Industry Perspective. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 1886-1900	3.5	9
9	Mechanism of Inactivation of GABA Aminotransferase by (E)- and (Z)-(1S,3S)-3-Amino-4-fluoromethylenyl-1-cyclopentanoic Acid. <i>ACS Chemical Biology</i> , 2015 , 10, 2087-98	4.9	8

8	Antibody Subunit LC-MS Analysis for Pharmacokinetic and Biotransformation Determination from In-Life Studies for Complex Biotherapeutics. <i>Analytical Chemistry</i> , 2020 , 92, 8268-8277	7.8	8
7	Insights into aging through measurements of the Drosophila proteome as a function of temperature. <i>Mechanisms of Ageing and Development</i> , 2010 , 131, 584-90	5.6	7
6	Biotherapeutic Antibody Subunit LC-MS and Peptide Mapping LC-MS Measurements to Study Possible Biotransformation and Critical Quality Attributes In Vivo. <i>Journal of Pharmaceutical Sciences</i> , 2019 , 108, 1415-1422	3.9	5
5	Intact mAb LC-MS for drug concentration from pre-clinical studies: bioanalytical method performance and in-life samples. <i>Bioanalysis</i> , 2020 , 12, 1389-1403	2.1	3
4	Native high-resolution mass spectrometry analysis of noncovalent protein complexes up to 450 kDa. <i>Bioanalysis</i> , 2020 , 12, 1353-1362	2.1	2
3	2021 White Paper on Recent Issues in Bioanalysis: Mass Spec of Proteins, Extracellular Vesicles, CRISPR, Chiral Assays, Oligos; Nanomedicines Bioanalysis; ICH M10 Section 7.1; Non-Liquid & Rare Matrices; Regulatory Inputs - Recommendations on Endogenous Compounds, Small Molecules, Complex Methods, Regulated Mass Spec of Large Molecules, Small Molecule, PoC & Regulatory Agencies Inputs on Bioanalysis, Biomarkers, Immunogenicity, Gene & Cell Therapy, and Vaccines	2.1	2
2	Intact protein LCMS for pharmacokinetics. <i>International Journal of Pharmacokinetics</i> , 2019 , 4, IPK05	0.3	
1	Cloud solutions for GxP laboratories: considerations for data storage. <i>Bioanalysis</i> , 2021 , 13, 1313-1321	2.1	