

M Reid Groseclose

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.

21
papers

1,492
citations

13
h-index

23
g-index

23
ext. papers

1,678
ext. citations

5.3
avg, IF

4.77
L-index

#	Paper	IF	Citations
21	Identification of proteins directly from tissue: in situ tryptic digestions coupled with imaging mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2007 , 42, 254-62	2.2	310
20	High-throughput proteomic analysis of formalin-fixed paraffin-embedded tissue microarrays using MALDI imaging mass spectrometry. <i>Proteomics</i> , 2008 , 8, 3715-24	4.8	252
19	Imaging mass spectrometry of proteins and peptides: 3D volume reconstruction. <i>Nature Methods</i> , 2008 , 5, 101-8	21.6	201
18	MALDI imaging mass spectrometry: bridging biology and chemistry in drug development. <i>Bioanalysis</i> , 2011 , 3, 2427-41	2.1	177
17	A mimetic tissue model for the quantification of drug distributions by MALDI imaging mass spectrometry. <i>Analytical Chemistry</i> , 2013 , 85, 10099-106	7.8	135
16	Advanced MALDI mass spectrometry imaging in pharmaceutical research and drug development. <i>Current Opinion in Biotechnology</i> , 2019 , 55, 51-59	11.4	133
15	Central nervous system disposition and metabolism of Fosdevirine (GSK2248761), a non-nucleoside reverse transcriptase inhibitor: an LC-MS and Matrix-assisted laser desorption/ionization imaging MS investigation into central nervous system toxicity. <i>Chemical Research in Toxicology</i> , 2013 , 26, 241-51	4	62
14	HER2-Overexpressing Breast Cancers Amplify FGFR Signaling upon Acquisition of Resistance to Dual Therapeutic Blockade of HER2. <i>Clinical Cancer Research</i> , 2017 , 23, 4323-4334	12.9	45
13	Assessing drug and metabolite detection in liver tissue by UV-MALDI and IR-MALDESI mass spectrometry imaging coupled to FT-ICR MS. <i>International Journal of Mass Spectrometry</i> , 2015 , 377, 448-455	15.5	43
12	Imaging MS in Toxicology: An Investigation of Juvenile Rat Nephrotoxicity Associated with Dabrafenib Administration. <i>Journal of the American Society for Mass Spectrometry</i> , 2015 , 26, 887-98	3.5	38
11	An Investigation into Retigabine (Ezogabine) Associated Dyspigmentation in Rat Eyes by MALDI Imaging Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2019 , 32, 294-303	4	20
10	From proteomic multimarker profiling to interesting proteins: thymosin- α 4 and kininogen-1 as new potential biomarkers for inflammatory hepatic lesions. <i>Journal of Cellular and Molecular Medicine</i> , 2011 , 15, 2176-88	5.6	16
9	Multimodal imaging approach to examine biodistribution kinetics of Cabotegravir (GSK1265744) long acting parenteral formulation in rat. <i>Journal of Controlled Release</i> , 2017 , 268, 102-112	11.7	15
8	Drug-induced Liver Fibrosis: Testing Nevirapine in a Viral-like Liver Setting Using Histopathology, MALDI IMS, and Gene Expression. <i>Toxicologic Pathology</i> , 2016 , 44, 112-31	2.1	12
7	Imaging mass spectrometry analysis for follicular lymphoma grading. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 6969-72	0.9	11
6	Intramuscular and subcutaneous drug depot characterization of a long-acting cabotegravir nanoformulation by MALDI IMS. <i>International Journal of Mass Spectrometry</i> , 2019 , 437, 92-98	1.9	7
5	Revised Preparation of a Mimetic Tissue Model for Quantitative Imaging Mass Spectrometry. <i>Protocol Exchange</i> ,		7

4	Spatially aware clustering of ion images in mass spectrometry imaging data using deep learning. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 2803-2819	4.4	7
3	MALDI Imaging MS: Molecular Visualization of Tissues in Drug Discovery and Development. <i>Microscopy and Microanalysis</i> , 2015 , 21, 2229-2230	0.5	1
2	Imaging Mass Spectrometry (IMS) for drug discovery and development survey: Results on methods, applications and regulatory compliance.. <i>Drug Metabolism and Pharmacokinetics</i> , 2021 , 43, 100438	2.2	0
1	High-resolution MALDI imaging MS in drug development 2014 , 140-159		