

Rita Casadonte

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,353
citations

471509

17
h-index

361022

35
g-index

45
all docs

45
docs citations

45
times ranked

1637
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteomic analysis of formalin-fixed paraffin-embedded tissue by MALDI imaging mass spectrometry. <i>Nature Protocols</i> , 2011, 6, 1695-1709.	12.0	242
2	MALDI TOF imaging mass spectrometry in clinical pathology: A valuable tool for cancer diagnostics (Review). <i>International Journal of Oncology</i> , 2015, 46, 893-906.	3.3	135
3	Deep learning for tumor classification in imaging mass spectrometry. <i>Bioinformatics</i> , 2018, 34, 1215-1223.	4.1	92
4	Site-to-Site Reproducibility and Spatial Resolution in MALDI-MSI of Peptides from Formalin-Fixed Paraffin-Embedded Samples. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800029.	1.6	73
5	Reliable Entity Subtyping in Non-small Cell Lung Cancer by Matrix-assisted Laser Desorption/Ionization Imaging Mass Spectrometry on Formalin-fixed Paraffin-embedded Tissue Specimens. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3081-3089.	3.8	72
6	MALDI mass spectrometry imaging: A cutting-edge tool for fundamental and clinical histopathology. <i>Proteomics - Clinical Applications</i> , 2016, 10, 701-719.	1.6	70
7	Imaging mass spectrometry to discriminate breast from pancreatic cancer metastasis in formalin-fixed paraffin-embedded tissues. <i>Proteomics</i> , 2014, 14, 956-964.	2.2	66
8	Increases in Tumor N-Glycan Polylactosamines Associated with Advanced HER2-Positive and Triple-Negative Breast Cancer Tissues. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800014.	1.6	50
9	MALDI IMS and Cancer Tissue Microarrays. <i>Advances in Cancer Research</i> , 2017, 134, 173-200.	5.0	38
10	Imaging mass spectrometry analysis of renal amyloidosis biopsies reveals protein co-localization with amyloid deposits. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5323-5331.	3.7	34
11	A new classification method for MALDI imaging mass spectrometry data acquired on formalin-fixed paraffin-embedded tissue samples. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 916-926.	2.3	32
12	Accelerated pre-senile systemic amyloidosis in PACAP knockout mice: A protective role of PACAP in age-related degenerative processes. <i>Journal of Pathology</i> , 2018, 245, 478-490.	4.5	32
13	Using the Chemical Noise Background in MALDI Mass Spectrometry Imaging for Mass Alignment and Calibration. <i>Analytical Chemistry</i> , 2020, 92, 1301-1308.	6.5	31
14	Combined Immunohistochemistry after Mass Spectrometry Imaging for Superior Spatial Information. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800035.	1.6	23
15	Cross-Normalization of MALDI Mass Spectrometry Imaging Data Improves Site-to-Site Reproducibility. <i>Analytical Chemistry</i> , 2021, 93, 10584-10592.	6.5	21
16	Typing of colon and lung adenocarcinoma by high throughput imaging mass spectrometry. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 858-864.	2.3	20
17	Digital PCR After MALDI-Mass Spectrometry Imaging to Combine Proteomic Mapping and Identification of Activating Mutations in Pulmonary Adenocarcinoma. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800034.	1.6	19
18	In MALDI-Mass Spectrometry Imaging on Formalin-Fixed Paraffin-Embedded Tissue Specimen Section Thickness Significantly Influences m/z Peak Intensity. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800074.	1.6	19

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19	Development of a Class Prediction Model to Discriminate Pancreatic Ductal Adenocarcinoma from Pancreatic Neuroendocrine Tumor by MALDI Mass Spectrometry Imaging. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800046.	1.6	19
20	Proteomics in Pathology. <i>Proteomics</i> , 2018, 18, 1700361.	2.2	18
21	Proteomic investigation of human cystic echinococcosis in the liver. <i>Molecular and Biochemical Parasitology</i> , 2017, 211, 9-14.	1.1	17
22	Identification of MALDI Imaging Proteolytic Peptides Using LC-MS/MS-Based Biomarker Discovery Data: A Proof of Concept. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800158.	1.6	17
23	Cardiac and skeletal muscle expression of mutant β -myosin heavy chains, degree of functional impairment and phenotypic heterogeneity in hypertrophic cardiomyopathy. <i>Journal of Cellular Physiology</i> , 2012, 227, 3471-3476.	4.1	16
24	Detection of HPV subtypes by mass spectrometry in FFPE tissue specimens: a reliable tool for routine diagnostics. <i>Journal of Clinical Pathology</i> , 2017, 70, 417-423.	2.0	16
25	Imaging Mass Spectrometry-Based Proteomic Analysis to Differentiate Melanocytic Nevi and Malignant Melanoma. <i>Cancers</i> , 2021, 13, 3197.	3.7	16
26	MALDI Imaging of predictive ferritin, fibrinogen and proteases in haemophilic arthropathy. <i>Haemophilia</i> , 2014, 20, 446-453.	2.1	15
27	Qualitative Comparison Between Carrier-based and Classical Tissue Microarrays. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2017, 25, e74-e79.	1.2	15
28	MALDI Imaging for Proteomic Painting of Heterogeneous Tissue Structures. <i>Proteomics - Clinical Applications</i> , 2019, 13, 1800045.	1.6	14
29	Targeted Feature Extraction in MALDI Mass Spectrometry Imaging to Discriminate Proteomic Profiles of Breast and Ovarian Cancer. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1700168.	1.6	14
30	Microproteomic Profiling of High-Grade Squamous Intraepithelial Lesion of the Cervix: Insight into Biological Mechanisms of Dysplasia and New Potential Diagnostic Markers. <i>Proteomics - Clinical Applications</i> , 2019, 13, 1800052.	1.6	13
31	Mass Spectrometry Imaging for Reliable and Fast Classification of Non-Small Cell Lung Cancer Subtypes. <i>Cancers</i> , 2020, 12, 2704.	3.7	13
32	Mass spectrometry in pathology – Vision for a future workflow. <i>Pathology Research and Practice</i> , 2018, 214, 1057-1063.	2.3	12
33	Multicenter Evaluation of Tissue Classification by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2022, 94, 8194-8201.	6.5	12
34	Investigation of neutrophilic peptides in periprosthetic tissue by matrix-assisted laser desorption ionisation time-of-flight imaging mass spectrometry. <i>International Orthopaedics</i> , 2015, 39, 559-567.	1.9	10
35	Proteomics in Pathology: The Special Issue. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800167.	1.6	8
36	Mass Spectrometry Imaging Differentiates Chromophobe Renal Cell Carcinoma and Renal Oncocytoma with High Accuracy. <i>Journal of Cancer</i> , 2020, 11, 6081-6089.	2.5	8

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37	Microproteomics and Immunohistochemistry Reveal Differences in Aldo-keto Reductase Family 1 Member C3 in Tissue Specimens of Ulcerative Colitis and Crohn's Disease. <i>Proteomics - Clinical Applications</i> , 2020, 14, e1900110.	1.6	7
38	Robust subtyping of non-small cell lung cancer whole sections through MALDI mass spectrometry imaging. <i>Proteomics - Clinical Applications</i> , 2022, 16, e2100068.	1.6	7
39	Proteomic Profiling of Inherited Breast Cancer: Identification of Molecular Targets for Early Detection, Prognosis and Treatment, and Related Bioinformatics Tools. <i>Lecture Notes in Computer Science</i> , 2003, , 245-257.	1.3	5
40	β -myosin mutations and phenotypic heterogeneity in hypertrophic cardiomyopathy. <i>International Journal of Cardiology</i> , 2006, 110, 119-121.	1.7	2
41	Detection of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) including Variant Analysis by Mass Spectrometry in Placental Tissue. <i>Viruses</i> , 2022, 14, 604.	3.3	2
42	Mass Spectrometry Data Analysis for Early Detection of Inherited Breast Cancer. , 2005, , 21-28.		0