

# Rmi Longuespe

## List of Publications by Citations

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**Version:** 2024-04-28

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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.

74  
papers

1,456  
citations

21  
h-index

35  
g-index

81  
ext. papers

1,862  
ext. citations

4.2  
avg, IF

4.78  
L-index

#	Paper	IF	Citations
74	Tyrosine Kinase Inhibitors in Cancer: Breakthrough and Challenges of Targeted Therapy. <i>Cancers</i> , <b>2020</b> , 12,	6.6	125
73	MALDI imaging and profiling MS of higher mass proteins from tissue. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2010</b> , 21, 1922-9	3.5	102
72	Multivariate analyses for biomarkers hunting and validation through on-tissue bottom-up or in-source decay in MALDI-MSI: application to prostate cancer. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 401, 149-65	4.4	66
71	MALDI imaging mass spectrometry in ovarian cancer for tracking, identifying, and validating biomarkers. <i>Medical Science Monitor</i> , <b>2010</b> , 16, BR233-45	3.2	59
70	Automated sample preparation with SP3 for low-input clinical proteomics. <i>Molecular Systems Biology</i> , <b>2020</b> , 16, e9111	12.2	56
69	MALDI mass spectrometry imaging: A cutting-edge tool for fundamental and clinical histopathology. <i>Proteomics - Clinical Applications</i> , <b>2016</b> , 10, 701-19	3.1	56
68	MALDI mass spectrometry imaging of proteins exceeding 30,000 daltons. <i>Medical Science Monitor</i> , <b>2010</b> , 16, BR293-9	3.2	51
67	Ovarian cancer molecular pathology. <i>Cancer and Metastasis Reviews</i> , <b>2012</b> , 31, 713-32	9.6	49
66	A laser microdissection-based workflow for FFPE tissue microproteomics: Important considerations for small sample processing. <i>Methods</i> , <b>2016</b> , 104, 154-62	4.6	49
65	Tissue proteomics for the next decade? Towards a molecular dimension in histology. <i>OMICS A Journal of Integrative Biology</i> , <b>2014</b> , 18, 539-52	3.8	43
64	Site-to-Site Reproducibility and Spatial Resolution in MALDI-MSI of Peptides from Formalin-Fixed Paraffin-Embedded Samples. <i>Proteomics - Clinical Applications</i> , <b>2019</b> , 13, e1800029	3.1	41
63	Selected protein monitoring in histological sections by targeted MALDI-FTICR in-source decay imaging. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 2117-26	7.8	36
62	OLFM4, KNG1 and Sec24C identified by proteomics and immunohistochemistry as potential markers of early colorectal cancer stages. <i>Clinical Proteomics</i> , <b>2017</b> , 14, 9	5	34
61	A spiked tissue-based approach for quantification of phosphatidylcholines in brain section by MALDI mass spectrometry imaging. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 2095-106	4.4	31
60	The importance of the tumor microenvironment in the therapeutic management of cancer. <i>Expert Review of Anticancer Therapy</i> , <b>2015</b> , 15, 943-54	3.5	30
59	The C-terminal fragment of the immunoproteasome PA28S (Reg alpha) as an early diagnosis and tumor-relapse biomarker: evidence from mass spectrometry profiling. <i>Histochemistry and Cell Biology</i> , <b>2012</b> , 138, 141-54	2.4	28
58	Proteomic signatures reveal a dualistic and clinically relevant classification of anal canal carcinoma. <i>Journal of Pathology</i> , <b>2017</b> , 241, 522-533	9.4	26

57	Accelerated pre-senile systemic amyloidosis in PACAP knockout mice and a protective role of PACAP in age-related degenerative processes. <i>Journal of Pathology</i> , <b>2018</b> , 245, 478-490	9.4	26
56	MALDI Imaging-Guided Microproteomic Analyses of Heterogeneous Breast Tumors-A Pilot Study. <i>Proteomics - Clinical Applications</i> , <b>2018</b> , 12, 1700062	3.1	25
55	Implications of Proprotein Convertases in Ovarian Cancer Cell Proliferation and Tumor Progression: Insights for PACE4 as a Therapeutic Target. <i>Translational Oncology</i> , <b>2014</b> ,	4.9	24
54	Rapid detection of 2-hydroxyglutarate in frozen sections of IDH mutant tumors by MALDI-TOF mass spectrometry. <i>Acta Neuropathologica Communications</i> , <b>2018</b> , 6, 21	7.3	21
53	Programmed cell death ligand 1 (PD-L1, CD274) in cholangiocarcinoma - correlation with clinicopathological data and comparison of antibodies. <i>BMC Cancer</i> , <b>2019</b> , 19, 72	4.8	21
52	Insulinoma-associated Protein 1 (INSM1) in Thoracic Tumors is Less Sensitive but More Specific Compared With Synaptophysin, Chromogranin A, and CD56. <i>Applied Immunohistochemistry and Molecular Morphology</i> , <b>2020</b> , 28, 237-242	1.9	19
51	Role of conventional immunomarkers, HNF4 $\alpha$ and SATB2, in the differential diagnosis of pulmonary and colorectal adenocarcinomas. <i>Histopathology</i> , <b>2018</b> , 72, 997-1006	7.3	19
50	Combined Immunohistochemistry after Mass Spectrometry Imaging for Superior Spatial Information. <i>Proteomics - Clinical Applications</i> , <b>2019</b> , 13, e1800035	3.1	17
49	Comparison of two FFPE preparation methods using label-free shotgun proteomics: Application to tissues of diverticulitis patients. <i>Journal of Proteomics</i> , <b>2015</b> , 112, 250-61	3.9	17
48	Proteomic analyses of serous and endometrioid epithelial ovarian cancers - cases studies - molecular insights of a possible histological etiology of serous ovarian cancer. <i>Proteomics - Clinical Applications</i> , <b>2013</b> , 7, 337-54	3.1	17
47	Proteomic investigation of human cystic echinococcosis in the liver. <i>Molecular and Biochemical Parasitology</i> , <b>2017</b> , 211, 9-14	1.9	16
46	Multi-Enzymatic Limited Digestion: The Next-Generation Sequencing for Proteomics?. <i>Journal of Proteome Research</i> , <b>2019</b> , 18, 2501-2513	5.6	15
45	Laser Microdissection-Based Microproteomics of Formalin-Fixed and Paraffin-Embedded (FFPE) Tissues. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1723, 19-31	1.4	15
44	Spectroimmunohistochemistry: a novel form of MALDI mass spectrometry imaging coupled to immunohistochemistry for tracking antibodies. <i>OMICS A Journal of Integrative Biology</i> , <b>2014</b> , 18, 132-41	3.8	15
43	Microproteomic sample preparation. <i>Proteomics</i> , <b>2021</b> , 21, e2000318	4.8	15
42	Typing of colon and lung adenocarcinoma by high throughput imaging mass spectrometry. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2017</b> , 1865, 858-864	4	14
41	Proteomics in Pathology. <i>Proteomics</i> , <b>2018</b> , 18, 1700361	4.8	14
40	PAT-H-MS coupled with laser microdissection to study histone post-translational modifications in selected cell populations from pathology samples. <i>Clinical Epigenetics</i> , <b>2017</b> , 9, 69	7.7	13

39	An Improved Molecular Histology Method for Ion Suppression Monitoring and Quantification of Phosphatidyl Cholines During MALDI MSI Lipidomics Analyses. <i>OMICS A Journal of Integrative Biology</i> , <b>2016</b> , 20, 110-21	3.8	13
38	Qualitative Comparison Between Carrier-based and Classical Tissue Microarrays. <i>Applied Immunohistochemistry and Molecular Morphology</i> , <b>2017</b> , 25, e74-e79	1.9	13
37	Lipidomics for clinical diagnosis: Dye-Assisted Laser Desorption/Ionization (DALDI) method for lipids detection in MALDI mass spectrometry imaging. <i>OMICS A Journal of Integrative Biology</i> , <b>2014</b> , 18, 487-98	3.8	13
36	Cytomine: Toward an Open and Collaborative Software Platform for Digital Pathology Bridged to Molecular Investigations. <i>Proteomics - Clinical Applications</i> , <b>2019</b> , 13, e1800057	3.1	13
35	Detection of HPV subtypes by mass spectrometry in FFPE tissue specimens: a reliable tool for routine diagnostics. <i>Journal of Clinical Pathology</i> , <b>2017</b> , 70, 417-423	3.9	12
34	Spatial distribution of EGFR and KRAS mutation frequencies correlates with histological growth patterns of lung adenocarcinomas. <i>International Journal of Cancer</i> , <b>2017</b> , 141, 1841-1848	7.5	12
33	Tumor resistance to ferroptosis driven by Stearoyl-CoA Desaturase-1 (SCD1) in cancer cells and Fatty Acid Biding Protein-4 (FABP4) in tumor microenvironment promote tumor recurrence. <i>Redox Biology</i> , <b>2021</b> , 43, 102006	11.3	12
32	Rapid and Sensitive Drug Quantification in Tissue Sections Using Matrix Assisted Laser Desorption Ionization-Ion Mobility-Mass Spectrometry Profiling. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2020</b> , 31, 742-751	3.5	11
31	Digital PCR After MALDI-Mass Spectrometry Imaging to Combine Proteomic Mapping and Identification of Activating Mutations in Pulmonary Adenocarcinoma. <i>Proteomics - Clinical Applications</i> , <b>2019</b> , 13, e1800034	3.1	11
30	MALDI Imaging for Proteomic Painting of Heterogeneous Tissue Structures. <i>Proteomics - Clinical Applications</i> , <b>2019</b> , 13, e1800045	3.1	11
29	Identification of MALDI Imaging Proteolytic Peptides Using LC-MS/MS-Based Biomarker Discovery Data: A Proof of Concept. <i>Proteomics - Clinical Applications</i> , <b>2019</b> , 13, e1800158	3.1	10
28	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> , <b>2019</b> , 13, e1800074	3.1	9
27	Mass spectrometry in pathology - Vision for a future workflow. <i>Pathology Research and Practice</i> , <b>2018</b> , 214, 1057-1063	3.4	8
26	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> , <b>2019</b> , 13, e1800052	3.1	8
25	Rapid drug detection in whole blood droplets using a desorption electrospray ionization static profiling approach - a proof-of-concept. <i>Rapid Communications in Mass Spectrometry</i> , <b>2020</b> , 34, e8614	2.2	8
24	Rapid and Sensitive Quantification of Osimertinib in Human Plasma Using a Fully Validated MALDI-IM-MS/MS Assay. <i>Cancers</i> , <b>2020</b> , 12,	6.6	8
23	Expression of HMB45, MelanA and SOX10 is rare in non-small cell lung cancer. <i>Diagnostic Pathology</i> , <b>2018</b> , 13, 68	3	8
22	HFIP extraction followed by 2D CTAB/SDS-PAGE separation: a new methodology for protein identification from tissue sections after MALDI mass spectrometry profiling for personalized medicine research. <i>OMICS A Journal of Integrative Biology</i> , <b>2014</b> , 18, 374-84	3.8	6

21	Automated Morphological and Morphometric Analysis of Mass Spectrometry Imaging Data: Application to Biomarker Discovery. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2017</b> , 28, 2635-2645	3.5	6
20	Desorption/Ionization-MS Methods for Drug Quantification in Biological Matrices and Their Validation Following Regulatory Guidance. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 7152-7163	7.8	6
19	Approaching sites of action of drugs in clinical pharmacology: New analytical options and their challenges. <i>British Journal of Clinical Pharmacology</i> , <b>2021</b> , 87, 858-874	3.8	5
18	Rapid MALDI-MS Assays for Drug Quantification in Biological Matrices: Lessons Learned, New Developments, and Future Perspectives. <i>Molecules</i> , <b>2021</b> , 26,	4.8	5
17	Subclonal evolution of pulmonary adenocarcinomas delineated by spatially distributed somatic mitochondrial mutations. <i>Lung Cancer</i> , <b>2018</b> , 126, 80-88	5.9	5
16	MALDI Imaging Combined with Laser Microdissection-Based Microproteomics for Protein Identification: Application to Intratumor Heterogeneity Studies. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1788, 297-312	1.4	4
15	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> , <b>2020</b> , 14, e1900110	3.1	4
14	Targeted liquid chromatography-tandem mass spectrometry analysis of proteins: Basic principles, applications, and perspectives. <i>Proteomics</i> , <b>2021</b> , e2100153	4.8	4
13	Analysis of the proliferative activity in lung adenocarcinomas with specific driver mutations. <i>Pathology Research and Practice</i> , <b>2018</b> , 214, 408-416	3.4	3
12	Matrix-assisted laser desorption/ionization mass spectrometry and Raman spectroscopy: An interesting complementary approach for lipid detection in biological tissues. <i>European Journal of Lipid Science and Technology</i> , <b>2014</b> , 116, 1080-1086	3	3
11	Automation of single-cell proteomic sample preparation. <i>Proteomics</i> , <b>2021</b> , e2100198	4.8	3
10	Advances in Clinical Pharmacology: Rapid Detection of Small Molecules in Solid Samples at Atmospheric Pressure Using Desorption Electrospray Ionization. <i>OMICS A Journal of Integrative Biology</i> , <b>2020</b> , 24, 53-54	3.8	2
9	Approaching Sites of Action of Temozolomide for Pharmacological and Clinical Studies in Glioblastoma.. <i>Biomedicines</i> , <b>2021</b> , 10,	4.8	2
8	Development and Validation of an LC-MS-Based Quantification Assay for New Therapeutic Antibodies: Application to a Novel Therapy against Herpes Simplex Virus. <i>ACS Omega</i> , <b>2020</b> , 5, 24329-24339	3.9	2
7	Human peripheral blood mononuclear cells: A review of recent proteomic applications.. <i>Proteomics</i> , <b>2022</b> , e2200026	4.8	2
6	Important Requirements for the Selection of Internal Standards during the Development of Desorption/Ionization Assays for Drug Quantification in Biological Matrices-A Practical Example.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	1
5	Conventional and semi-automatic histopathological analysis of tumor cell content for multigene sequencing of lung adenocarcinoma. <i>Translational Lung Cancer Research</i> , <b>2021</b> , 10, 1666-1678	4.4	1
4	Analytical Performance Evaluation of New DESI Enhancements for Targeted Drug Quantification in Tissue Sections. <i>Pharmaceuticals</i> , <b>2022</b> , 15, 694	5.2	1

3	An optimized MALDI MSI protocol for spatial detection of tryptic peptides in fresh frozen prostate tissue.. <i>Proteomics</i> , <b>2022</b> , e2100223	4.8	o
2	Periostin in lymph node pre-metastatic niches governs lymphatic endothelial cell functions and metastatic colonization.. <i>Cellular and Molecular Life Sciences</i> , <b>2022</b> , 79, 295	10.3	o
1	LGG-25. The first-in-class ERK inhibitor ulixertinib (BVD-523) shows activity in MAPK-driven pediatric low-grade glioma models as single agent and in combination with MEK inhibitors or senolytics. <i>Neuro-Oncology</i> , <b>2022</b> , 24, i93-i93	1	