Maxence Wisztorski

List of Publications by Year
in descending order

71 papers	2,922 citations	159358 30 h-index	174990 52 g-index
82 all docs	82 docs citations	82 times ranked	2943 citing authors

#	Article	IF	Citations
1	Direct Detection of Alternative Open Reading Frames Translation Products in Human Significantly Expands the Proteome. PLoS ONE, 2013, 8, e70698.	1.1	192
2	On-tissue protein identification and imaging by MALDI-Ion mobility mass spectrometry. Journal of the American Society for Mass Spectrometry, 2010, 21, 338-347.	1.2	182
3	MALDI-MS Direct Tissue Analysis of Proteins: Improving Signal Sensitivity Using Organic Treatments. Analytical Chemistry, 2006, 78, 7145-7153.	3.2	170
4	MALDI Imaging of Formalin-Fixed Paraffin-Embedded Tissues: Application to Model Animals of Parkinson Disease for Biomarker Hunting. Journal of Proteome Research, 2008, 7, 969-978.	1.8	157
5	MALDI Imaging Mass Spectrometry. Molecular and Cellular Proteomics, 2009, 8, 2023-2033.	2.5	149
6	MALDI imaging and profiling MS of higher mass proteins from tissue. Journal of the American Society for Mass Spectrometry, 2010, 21, 1922-1929.	1.2	110
7	Liquid ionic matrixes for MALDI mass spectrometry imaging of lipids. Journal of Proteomics, 2010, 73, 1204-1218.	1.2	101
8	In vivo Real-Time Mass Spectrometry for Guided Surgery Application. Scientific Reports, 2016, 6, 25919.	1.6	100
9	A New Safety Concern for Glaucoma Treatment Demonstrated by Mass Spectrometry Imaging of Benzalkonium Chloride Distribution in the Eye, an Experimental Study in Rabbits. PLoS ONE, 2012, 7, e50180.	1.1	92
10	Development of liquid microjunction extraction strategy for improving protein identification from tissue sections. Journal of Proteomics, 2013, 79, 200-218.	1.2	82
11	Tag-Mass: Specific Molecular Imaging of Transcriptome and Proteome by Mass Spectrometry Based on Photocleavable Tag. Journal of Proteome Research, 2007, 6, 2057-2067.	1.8	78
12	Improving Tissue Preparation for Matrix-Assisted Laser Desorption Ionization Mass Spectrometry Imaging. Part 1: Using Microspotting. Analytical Chemistry, 2009, 81, 8193-8202.	3.2	73
13	On-Tissue N-Terminal Peptide Derivatizations for Enhancing Protein Identification in MALDI Mass Spectrometric Imaging Strategies. Analytical Chemistry, 2009, 81, 8305-8317.	3.2	70
14	The triterpene glycosides of <i>Holothuria forskali</i>: usefulness and efficiency as a chemical defense mechanism against predatory fish. Journal of Experimental Biology, 2011, 214, 1347-1356.	0.8	70
15	Tissue imaging using MALDI-MS: a new frontier of histopathology proteomics. Expert Review of Proteomics, 2008, 5, 413-424.	1.3	69
16	Delivery of Alginate Scaffold Releasing Two Trophic Factors for Spinal Cord Injury Repair. Scientific Reports, 2015, 5, 13702.	1.6	58
17	Ovarian cancer molecular pathology. Cancer and Metastasis Reviews, 2012, 31, 713-732.	2.7	57
18	Molecular MALDI imaging: An emerging technology for neuroscience studies. Developmental Neurobiology, 2008, 68, 845-858.	1.5	54

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19	MALDI mass spectrometry imaging of proteins exceeding 30,000 daltons. Medical Science Monitor, 2010, 16, BR293-9.	0.5	52
20	New Developments in MALDI Imaging for Pathology Proteomic Studies. Current Pharmaceutical Design, 2007, 13, 3317-3324.	0.9	49
21	Localization of Secondary Metabolites in Marine Invertebrates: Contribution of MALDI MSI for the Study of Saponins in Cuvierian Tubules of H. forskali. PLoS ONE, 2010, 5, e13923.	1.1	46
22	Spatially‐resolved protein surface microsampling from tissue sections using liquid extraction surface analysis. Proteomics, 2016, 16, 1622-1632.	1.3	46
23	Combined Mass Spectrometry Imaging and Top-down Microproteomics Reveals Evidence of a Hidden Proteome in Ovarian Cancer. EBioMedicine, 2017, 21, 55-64.	2.7	45
24	MITICS (MALDI Imaging Team Imaging Computing System): A new open source mass spectrometry imaging software. Journal of Proteomics, 2008, 71, 332-345.	1.2	43
25	Proteomic Analysis of the Spatio-temporal Based Molecular Kinetics of Acute Spinal Cord Injury Identifies a Time- and Segment-specific Window for Effective Tissue Repair. Molecular and Cellular Proteomics, 2016, 15, 2641-2670.	2.5	42
26	Microproteomics by liquid extraction surface analysis: Application to <scp>FFPE</scp> tissue to study the fimbria region of tubo‐ovarian cancer. Proteomics - Clinical Applications, 2013, 7, 234-240.	0.8	39
27	MALDI Direct Analysis and Imaging of Frozen Versus FFPE Tissues: What Strategy for Which Sample?. Methods in Molecular Biology, 2010, 656, 303-322.	0.4	37
28	Evaluation of non-supervised MALDI mass spectrometry imaging combined with microproteomics for glioma grade III classification. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2017, 1865, 875-890.	1.1	36
29	Spatially-Resolved Top-down Proteomics Bridged to MALDI MS Imaging Reveals the Molecular Physiome of Brain Regions. Molecular and Cellular Proteomics, 2018, 17, 357-372.	2.5	36
30	Cumulative learning enables convolutional neural network representations for small mass spectrometry data classification. Nature Communications, 2020, 11, 5595.	5.8	35
31	Quantification-Based Mass Spectrometry Imaging of Proteins by Parafilm Assisted Microdissection. Analytical Chemistry, 2013, 85, 8127-8134.	3.2	33
32	Molecular Profiling of Native and Matrix-Coated Tissue Slices from Rat Brain by Infrared and Ultraviolet Laser Desorption/Ionization Orthogonal Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2007, 79, 2463-2471.	3.2	31
33	TARGETED MASS spectrometry Imaging: Specific Targeting Mass Spectrometry imaging technologies from history to perspective. Progress in Histochemistry and Cytochemistry, 2012, 47, 133-174.	5.1	31
34	Automated Querying and Identification of Novel Peptides using MALDI Mass Spectrometric Imaging. Journal of Proteome Research, 2011, 10, 1915-1928.	1.8	30
35	NanoLC-MS coupling of liquid microjunction microextraction for on-tissue proteomic analysis. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2017, 1865, 891-900.	1.1	25
36	AMASS: Algorithm for MSI Analysis by Semi-supervised Segmentation. Journal of Proteome Research, 2011, 10, 4734-4743.	1.8	24

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37	Inter- and intra-organ spatial distributions of sea star saponins by MALDI imaging. Analytical and Bioanalytical Chemistry, 2015, 407, 8813-8824.	1.9	24
38	Multiple Changes in Peptide and Lipid Expression Associated with Regeneration in the Nervous System of the Medicinal Leech. PLoS ONE, 2011, 6, e18359.	1.1	22
39	MALDI-MS and NanoSIMS imaging techniques to study cnidarianâ€"dinoflagellate symbioses. Zoology, 2015, 118, 125-131.	0.6	21
40	Molecular Consequences of Proprotein Convertase 1/3 (PC1/3) Inhibition in Macrophages for Application to Cancer Immunotherapy: A Proteomic Study. Molecular and Cellular Proteomics, 2015, 14, 2857-2877.	2.5	21
41	Droplet-Based Liquid Extraction for Spatially-Resolved Microproteomics Analysis of Tissue Sections. Methods in Molecular Biology, 2017, 1618, 49-63.	0.4	21
42	Progress and Potential of Imaging Mass Spectrometry Applied to Biomarker Discovery. Methods in Molecular Biology, 2017, 1598, 21-43.	0.4	19
43	Integrated mass spectrometry imaging and omics workflows on the same tissue section using grid-aided, parafilm-assisted microdissection. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1702-1714.	1.1	19
44	Specific MALDI-MSI: TAG-MASS. Methods in Molecular Biology, 2010, 656, 339-361.	0.4	19
45	Proteomic analyses of serous and endometrioid epithelial ovarian cancers â€" Cases studies â€" Molecular insights of a possible histological etiology of serous ovarian cancer. Proteomics - Clinical Applications, 2013, 7, 337-354.	0.8	18
46	In-depth proteomics analysis of sentinel lymph nodes from individuals with endometrial cancer. Cell Reports Medicine, 2021, 2, 100318.	3.3	18
47	On Tissue Protein Identification Improvement by N-Terminal Peptide Derivatization. Methods in Molecular Biology, 2010, 656, 323-338.	0.4	18
48	Distinct Protein Expression Networks are Activated in Microglia Cells after Stimulation with IFN-Î³ and IL-4. Cells, 2019, 8, 580.	1.8	15
49	Paclitaxel Treatment and Proprotein Convertase 1/3 (PC1/3) Knockdown in Macrophages is a Promising Antiglioma Strategy as Revealed by Proteomics and Cytotoxicity Studies. Molecular and Cellular Proteomics, 2018, 17, 1126-1143.	2.5	14
50	Cross-talk between YAP and RAR-RXR Drives Expression of Stemness Genes to Promote 5-FU Resistance and Self-Renewal in Colorectal Cancer Cells. Molecular Cancer Research, 2021, 19, 612-622.	1.5	13
51	Polymerase Chain Reaction and Immunoassayâˆ'Matrix Assisted Laser Desorption Mass Spectrometry Using Tag-Mass Technology: New Tools to Break Down Quantification Limits and Multiplexes. Analytical Chemistry, 2009, 81, 9512-9521.	3.2	11
52	The proprotein convertase PC1/3 regulates TLR9 trafficking and the associated signaling pathways. Scientific Reports, 2016, 6, 19360.	1.6	11
53	Toward High Spatially Resolved Proteomics Using Expansion Microscopy. Analytical Chemistry, 2021, 93, 12195-12203.	3.2	11
54	Calreticulin contributes to C1q-dependent recruitment of microglia in the leech Hirudo medicinalis following a CNS injury. Medical Science Monitor, 2014, 20, 644-653.	0.5	11

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55	ALK4/5-dependent TGF-Î2 signaling contributes to the crosstalk between neurons and microglia following axonal lesion. Scientific Reports, 2019, 9, 6896.	1.6	10
56	Combined MALDI Mass Spectrometry Imaging and Parafilm-Assisted Microdissection-Based LC-MS/MS Workflows in the Study of the Brain. Methods in Molecular Biology, 2017, 1598, 269-283.	0.4	9
57	Substrate-Mediated Laser Ablation under Ambient Conditions for Spatially-Resolved Tissue Proteomics. Scientific Reports, 2016, 5, 18135.	1.6	7
58	Mechanisms of innate events during skin reaction following intradermal injection of seasonal influenza vaccine. Journal of Proteomics, 2020, 216, 103670.	1.2	7
59	Protein Kinase C Activation Drives a Differentiation Program in an Oligodendroglial Precursor Model through the Modulation of Specific Biological Networks. International Journal of Molecular Sciences, 2021, 22, 5245.	1.8	7
60	Brain Proteomics: Sample Preparation Techniques for the Analysis of Rat Brain Samples Using Mass Spectrometry. , 2011, , 171-195.		4
61	On the Origin of Increased Sensitivity and Mass Resolution Using Silicon Masks in MALDI. Analytical Chemistry, 2014, 86, 1404-1413.	3.2	4
62	METB-07CLASSIFICATION OF HIGH GRADE GLIOMA USING MATRIX-ASSISTED LASER DESORPTION/IONIZATION MASS SPECTROMETRY IMAGING (MALDI MSI): INTERIM RESULTS OF THE GLIOMIC STUDY. Neuro-Oncology, 2015, 17, v136.3-v136.	0.6	2
63	Proprotein convertase 1/3 inhibited macrophages: A novel therapeutic based on drone macrophages. EuPA Open Proteomics, 2016, 11, 20-22.	2.5	2
64	Mass spectrometry imaging (MALDI and TOF-SIMS) of benzalkonium chloride distribution in rabbit eyes. Toxicology Letters, 2011, 205, S199.	0.4	1
65	Development of a novel instrument for ex-vivo and in-vivo real-time analysis. Journal of Biotechnology, 2015, 208, S10.	1.9	1
66	New Glioma Molecular Classification for Precise Therapeutic Decision Based on Spatially-Resolved Proteogenomics Guided by MALDI-MSI and Clinical Data Integration. SSRN Electronic Journal, 0, , .	0.4	0
67	MALDI Imaging Mass Spectrometry for Investigating the Brain. , 2011, , 765-783.		0
68	Abstract 2671: Omics unveils a specific signature of tumor dormancy in two murine models of leukemia and melanoma. , 2019, , .		0
69	Sentinel Lymph Node and Endometrial Cancer Grades, Molecular Markers Patients Stratification and Survival Diagnosis Identification. SSRN Electronic Journal, 0, , .	0.4	0
70	Preneoplastic Lesions Fimbria Early Diagnosis Markers Underlying Timeline Mechanisms at the Origin of Ovarian Cancer in BRAC1/2 Patients. SSRN Electronic Journal, 0, , .	0.4	0
71	Abstract 2671: Omics unveils a specific signature of tumor dormancy in two murine models of leukemia and melanoma. , 2019, , .		0